



→ Azat Bayandin

the handyman



Charlie Cha





Daria Ershova

, T



→ Edwy Woo the visual junki



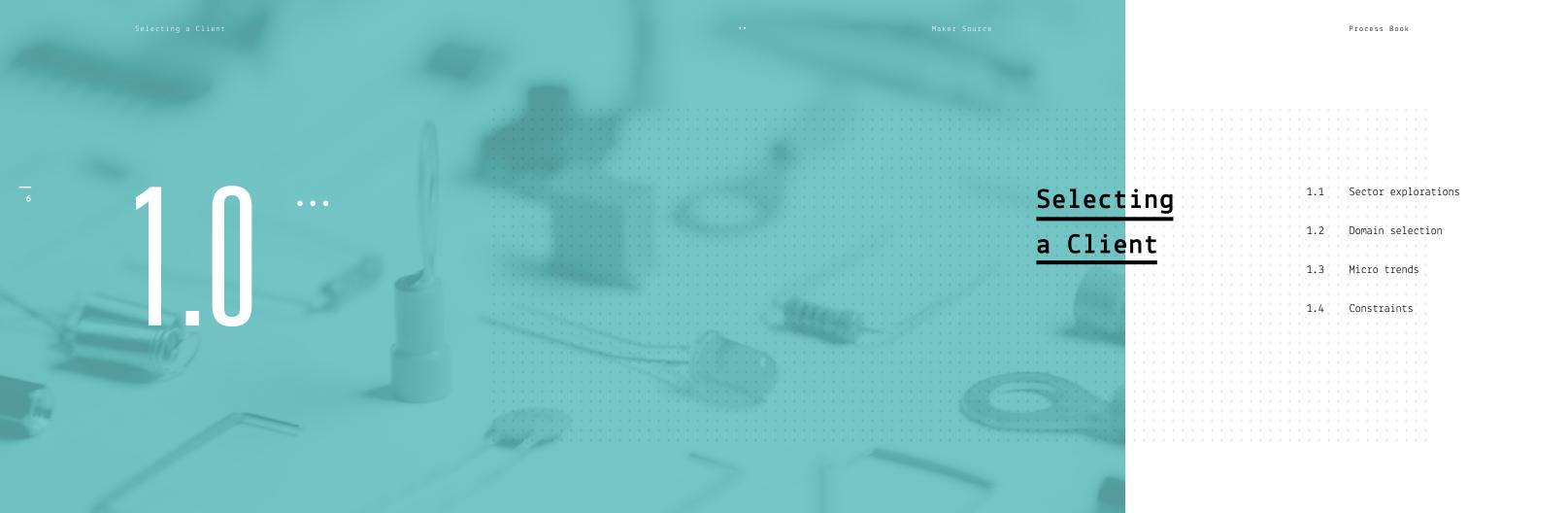
Solomon Hsu the Anderson, Wes wannabe

Selecting a Client

Designing the User Experience

3.0 Understanding the Market 8.0 Creating a Style Guide

O Defining the Goal 9.0 Refining the Interface





• • •

We originally explored different sector in order to determine direction we wanted to go as a team, as well as evaluate emerging markets and possibilities for intervention.







Rejected		Taking further
Airlines	+ + + + + + + + + + + + + + + + + + +	Auction
Casinos Casinos	Healthcare	Entertainment & Recreation
Construction	Mobile gaming	Consumer electronics
DIY culture	News/publication	
Education	Transportation	
+ + + + + + + + + + + + + + + + + + +	Travel/hospitality	
+ + + + + + + + + + + + + + + + + + +		

We of click opposed

We decided to create a list of clients by looking at where th opportunity to intervene is in each domain and by exploring what is currently done to

Auctio

An interesting format that can be appliances different domains and sectors

Exciting opportunities in creating bot digital and in-store experiences

Difficult to find thin

No connection between buyers and selle

Entertainmen

No unified database for all the entertainment options in the city

Heterogenous platforms fighting for the same users while in fact they shouldn't be

Everything is online and there is no need to go outside or to theatre/cinema

Consumer Electronics

The increased amount of products requires more time to study all the options and make a choice

The role of the maker movement in challenging big companies

The increased attention to corporate responsibility and ecological awareness

Digital is overtaking the value of exchanging personalized tangible objects

We looked at patterns within selected domains (auction, entertainment, and retail) to inform our decision on the client.

Communicati

Being in the present — instant communication/broadcasting (e.g., Snapchat, Periscope, et

• •

Gamification

Many experiences are gamified (including the learning)

General

The increased segmentation of the market into small niche economie and niche products

Narrative selling

Using photostories and powerful imagery to sell items

Retail

Customization of everything including experiences

teractions

Rise of VR/AR and natural user interface

Duantification

ne quantified self and self as a coject in progress, data that enerates human stories

Invisible interface

Wearables

- **Opportunity** for narrative sellin
- O2. Both offline and online experience
- Targeting niche marke
- **04.** Opportunity to challenge consumer / customer relationships



under parent company Radio Shack, then
purchased by Circuit City, becoming known
as The Source by Circuit City, until

<u>Client</u> <u>Introduction</u>

Audience

Tech-savvy & regular joe,
homeowners, and we want to
bring in a new audience into The

Brand Promis

In he the hest mobile products retaile



Client Introduction

For over 40 Years, The Source has been dedicated to serving our customers and communities by offering great value for great products and backing it up with helpful service that keeps customers coming back."

- Charles Brown, President, The Source

A standard The Source store in Canada •••

In a matter of recent years RadioShack's business went through significant decline due to initial missteps it took while trying to adjust to the market needs year through year. Failing to spot "up-and-coming" competitions, such as Amazon thriving in e-commerce ecosystem, and including poor mix of inventory, Radio Shack's brand perception started to deteriorate.

Taking wrong steps to govern its inventory, such as becoming cel phone kiosk, attempting late move towards e-commerce against sector giant like Amazon, and obscure mixture of supplies unsuitable for smaller retail spaces, RadioShack drove itself into hardship further weakening the brand.

Lastly, as its former child (The Source), RadioShack walked past the rising market for Maker movement, catching up on it too late and with a poor variety of merchandise to supply with its potential maker customers



RadioShack is a former parent to its Canadian counterpart The Source.

The Source is losing sales in a highly competitive consumer electronics retail space, because of its inability to compete with larger retailers that offer "big box" formats, everyday low pricing, and advanced logistic systems.

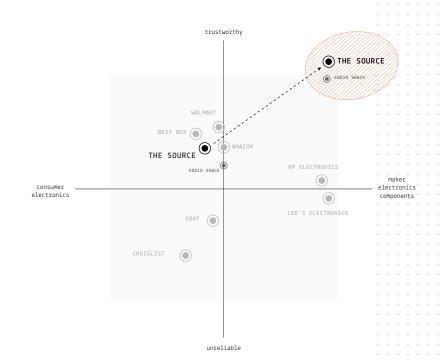
Hence, it requires a shift into new less concentrated sub-sectors within the electronics market where it can establish its dominance and create a following of loyal customers.

BEST BUY USA AMAZON.com BEST BUY CANADA
\$30 billion \$25 billion \$3.4 billio

on \$3.4 billion \$475 million

THE SOURCE





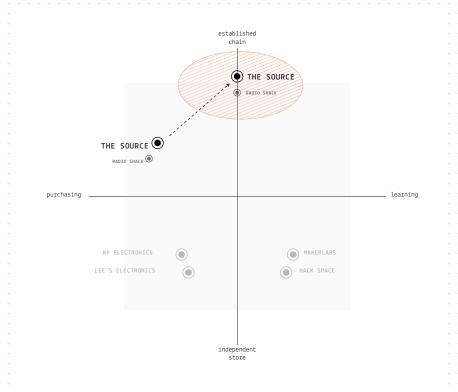


Currently, The Source is getting outcompeted by consumer electronics retailers in both brick-and-mortar stores like BestBuy and Walmart, and e-commerce platforms like Amazon. However, as we looked into existing businesses for the makers, we realized that The Source can naturally fit into this space as an established brand that already has a strong physical presence across the nation. By shifting its target audience, The Source can enter into a niche and expanding market that is presently occupied by small local independent shops like RP and Lee's Electronics.

+ +

In the maker's area, we saw two factors that empower the Maker Movement: the availability of affordable supplies and the open learning and sharing nature of the community. Right now, they are scattered across many different locations.

This presents an opportunity for The Source to create an unified platform that address both factors while leveraging its existing retail infrastructure. By bridging the gap between the retailer and the maker community, The Source can become an established facilitator of open knowledge sharing as well as a reliable provider of maker supplies for a fast-arousing market.



• • •

While The Source is gradually losing its

primary audience of general electronics

consumers, we've found the opportunity for

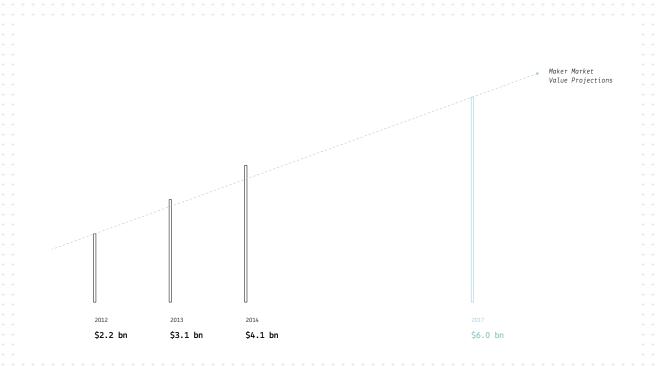
The Source to reframe their audience to the

fast-growing market of makers, which is to

be estimated at \$6 billion by 2017.



• •



The Source must become more than just a consumer retailer. It must create and build relationship with its new audience by resonating with their values. Only then can The Source differentiate itself from the competitors and position itself as a leader in a booming niche market.

By tapping into fast-growing market for makers. The Source can:

+ Establish relationship with contemporary technology hobbyists

 Become established chain supplier of components to drive sale and build brand presence

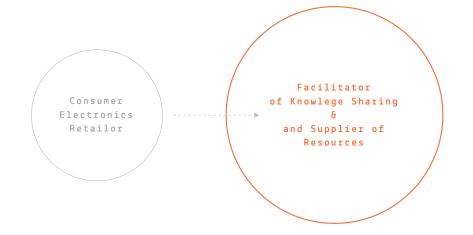
Opening

• • •

This is a problem worth solving because there is a gap between the community of makers and the suppliers of resources and materials required to build projects.

O1. The places to purchase suppliers of components is scattered — ranging from online retailers (Amazon, Craigslist, eBay) to physical locations that specialize in selling electronics parts (Lee's Electronics, RP).

O2. There is no central hub for the maker community to learn and share ideas (knowledge)





The maker culture is a contemporary culture or subculture representing a technology-based extension of DIY culture that intersects with hacker culture which is less concerned with physical objects (opposed to software) and the creation of new devices (opposed to tinkering with existing ones).

- Maker Culture, Wikipedia



At its core, its purpose was to facilitate a conversation with a maker who cares a lot about what they do and has something physical to share."

Dale Dougherty Founder of MAKE magazine, Creator of Maker Faire Maker Values

. . . .

Learning emphasizes learning-through-doing in a social environment. Maker culture emphasizes informal, networked, peer-led, and shared learning motivated by fun and self-fulfillment Core values of the maker movement:

- + Learning through doing
- + Open-source and open-design
- + Social environment
- + Embracing imperfection
- + Focus on the process



such as 3D printers, CNC Mills and things like Arduino and Raspberry PI mother boards and are in reach of normal consumers."

- TIME Magazine

+ Average 35,000+ people attended each of the 8 maker faire events

- + Participants joining in Maker Faires grew from 83,000 to about 780,000 globally-a 939% increase
- + 135 million US adults are part of the maker movement
- + Maker market to reach \$6 billion dollars in 2017 and \$8.4 billion dollars in 2020
- + The size of the 3D printing market amounted to \$2.5 billion in 2013 is expected to reach \$16.2 billion in 2018
- + This influx of new makers is partly influenced by the drastic drop in prices of maker parts in the past years

- Democratization of making due to the growing number of maker labs and hackspaces
- + Democratization of creativity via open source and open design nature of the projects
- Empowered demand drives supply, and manufacturing and ret follow the customer
- Maker culture as a way to engage learning and make topics on STEM (science, technology, engineering and mathematics) more interesting to students
- Fragmentation of the market transforming the social idea about identity and social capital
- + Kickstarters and fundraiser allow small businesses to arise an around individuals' creative activity

combination of values-based movements (the makers), new professional institutions (the FabLabs), open tools (3D printers) and open source protocols are turning manufacturing into a participatory process in which the agents share risks and benefits and increase the value of production".

- Deloitte report for EU, 2013

Dale Dougherty of Maker Media, Inc. Identified three segments

Z E R O -TO-M A K E R

Consumers who are inspired to invent by learning the requisite skills and having access to the necessary means of production.

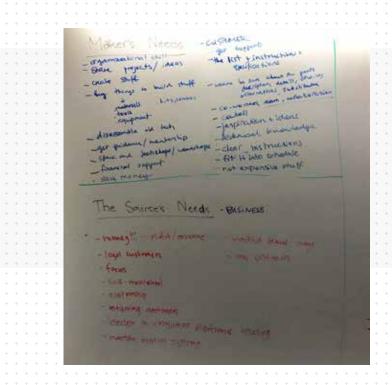
M A K E R -TO-M A K E R

Makers who desire to collaborate and access the expertise of others through workshops and digital communities.

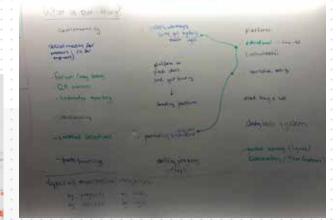
-T0-4 Δ R K F T

Makers who invent for the broader audience and pursue market opportunities. • • •

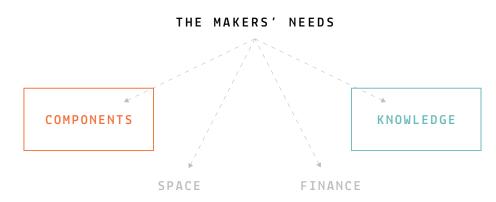












Things that keep people from joining the Maker movement:

- × Not being aware of a nearby makerspace/hackerpsace
- **x** Fear of not being good enough of an artist, designer, builder, etc.
- x Learning basic skills on the requisite tools
- **x** Having access to these tools
- × Commitment to try, fail, and try again

What make our platform more desirable than sites like Instructables and Makezine?





- + Our platform puts emphasis on making the project instructions easy to digest. Instructables and Makezine present the instructions in an article format with a lot of clutters on the screen like the sidebar and widget elements. Our instruction view only shows the video and one step at a time, which reduces the cognitive overhead for learning.
- + Maker Source also offers a tighter integration with the supplier by having the purchase process a key part of the learning and building flow. This reduces the friction of finding the required materials, whereas Instructables and Makezine don't link the supplies on their site, forcing the reader to do additional research before purchasing.

-	4	-	-	-	-	-	-	-	
+	•	+	+	+			+		
			1	_		٠.	_		

			4	_	_	+						5.	. 2		÷Ρ	ro	j€	ect	t+	Co	ns	tr	aiı	nts	
-	- 1											5.	. 3		†I	de	ā	Ė	κp	10	ra	ti	on:	S	

5.	3		ļΙ	dea	Ė	хр	lo	ra	ti	ons
5.	4		÷Ι	dea	Ρ	ro	gr	es	si	on

5		Frir	ncti	on	Rec	nii.	rem

,		+	ra	n:	sfo	or	ma	ti	on	al	Metaphor

7		†p	τ.	nn(15	aΪ	

									5.	8		÷F	Ren	٩O١	/ir	ng	t	he	۴F	rictio

									±	+	
									٥.	9	Actions Flow

5	. 10	Դ+	+0	à	+	٦ŧ.	- ta	id	۵	Ιm	n1	ic	בי

10	+	+5	ec	cto	'n٠	-W	id	e	Ιm	plications

A central ethos of the maker culture is opensource, which is to allow universal access to knowledge and ideas, as well as being able to freely create derived works.

We want The Source to be an embodiment of this aspect by transforming them into a <u>facilitator</u> of <u>learning and sharing</u> within the maker community.

Although The Source will promote components from their own inventory, people are welcomed to buy them from other channels as well.

UNIVERSAL ACCESS

free information

OPEN SOURCE

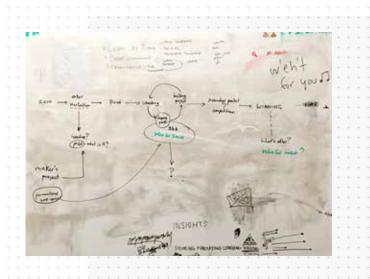
THE SOURCE

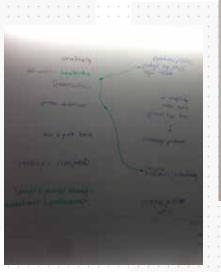
via Maker Source

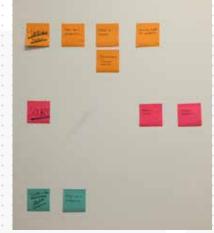
UNIVERSAL DISTRIBUTION

derived works

+ + 01.	Build around open-source and open-design nature of the maker culture
	· · · · · · · · · · · · · · · · · · ·
+ + + + + + + + +	
+ + 02.	Not a direct e-commerce website + + + + + + + + + + + + + + + + + + +
03. ——	Must remove frictions for zero-to-maker and maker-to-maker
	Hust Tenove IIICCIDIS IDI 2010-00-makel and Makel-to-makel
+ + 04 + + + + +	Employs narrative selling
05.	Validates learning and provides a transparent path to growth
06.	Focus on local but embracing global
07.	Inspire curiosity and discovery
+ + + + + + + + +	inspire curtosity and discovery
08.	Embrace "Everyone's a maker" principle
	+ + + + + + + + + + +









nops that cater to demand; encourage Contribution
Model

GitHub-like open-source community for makers, where people can "fork" projects (or documentations) and add to them (customization). Value is extracted from participation without doing too much work (building on top of an

Documentatio
Platform

Fostering transparency and taking the idea of open-source further. People post their progress as often as they can, and when they are stuck, they can ask for help. It boosts engagement as people are more likely to create content here. Because of the iterative nature of the craft, our audience can get in the habit of documenting while they work rather than

Data Aggregation Publishing Model

Make-to-maker publishes content
freely,. The Source will
periodically quality-check
the content and promote the
best ones. Other makers can
also annotate directly in the
content (micro-contribution and

Digital Showcase And Learning Hub

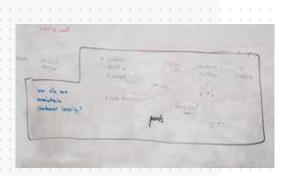
A platform designed for makers so they can learn from other makers and reliably purchase the materials from The Source to invigorate a culture of innovation — a one-stop-shop and centralized hub for makers

Addressing three main noints:

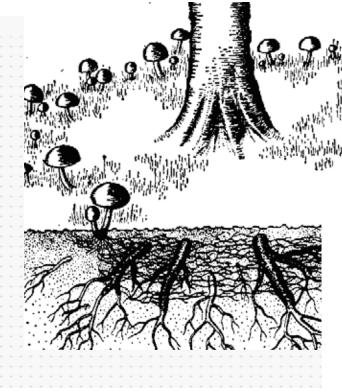
- + How do we make new makers feel that they are
 - How do we persuade people to buy directly from The
- + How do we maintain customer loyalty?







virtual space. They come together for support and resources and access to tools. They share and learn from each other while also pursuing their individual projects. Each platform is an invitation to the community to participate in creating and recreating



→ Mutualistic Symbiosis

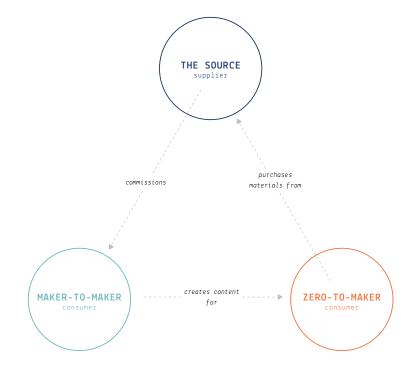
Interaction between two different organisms living in close physical association, typically to the advantage of both.

A mutually beneficial relationship between different people or groups.

J

A digital platform that provides a holistic experience for prospective and experienced makers by facilitating open knowledge sharing and acquisition of supplies (electronic components).

Symbiotic Relationshi



The Source can tackle the maker's need for supplies and knowledge by leveraging their supply chain and by creating a high-quality learning hub for them to draw prospective makers in.

We feel The Source can tackle the need for supplies and knowledge because they present the most immediate frictions for zero-to-makers:

- O1. —— Suppliers of components is scattered

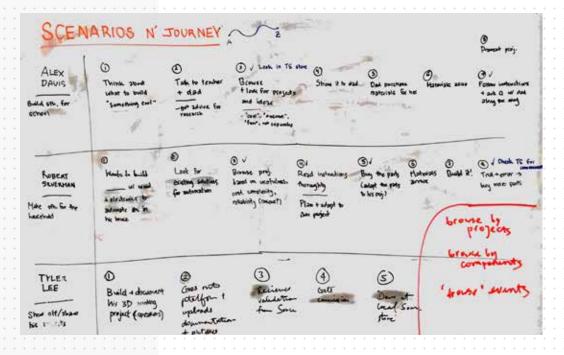
 From online (Amazon, Craigslist, ebay)

 From specialized stores (Lee's, RP)
- **02.** No central hub for learning and sharing ideas
- 03. Lack of centralized community and lack of movement visibility

O1. — Experienced maker-to-makers submit their project instructions to the platform; The Source will quality-check the content before publishing it.

O2. — Zero-to-makers discover and read about the projects, then they buy the supplies from The Source when they decide to build it.

O3. The Source commissions the maker-to-makers for purchases made from their submitted projects.

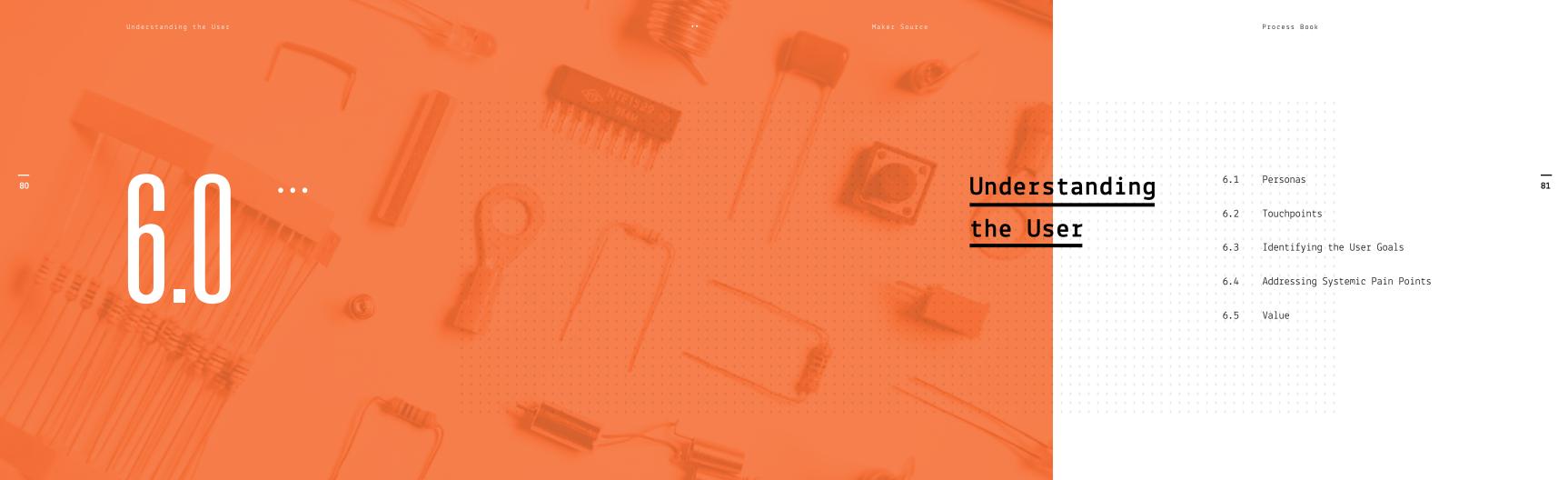


ZERO - TO	sign-up + onboarding		browse projects, view projects by fittered by:	select order provide feed modify build project .purchase rate proje .pick-up .delivery
THE SOURCE		review publish a a project project		package pay commission
MAKER - TO	make sign-up a project	: . submit on: a project		get paid!

Our proposal can serve as a model for retailers to embrace the open and growing ecosystem of makers. Instead of just selling items and marketing them, retailers can look to provide direct value for customers by being a facilitator of knowledge and learning. This creates a push/pull relationship where the brand can understand the curiosity of the audience while empowering them through their creative process through a platform for sharing ideas.

The Maker movement will emerge as the dominant source of livelihood as individuals find ways to build small businesses around their creative activity and large companies increasingly automate their operations."

Dale Dougherty Founder of MAKE magazine, Creator of Maker Faire







Background

Alex Davis is a 10-year-old girl.

She lives with her parents and
2 older siblings in Burnaby,
B.C., and attends Brentwood Park
Elementary School.

She likes exploring things and in her process she is guided by her natural curiosity in how things work and what makes them tick.

Interest

Soccer, space, animals, and LEGO
are her top interests and she likes
exploring information from any
medium that relates to them.

Goal

She doesn't enjoy studying but she enjoys knowing. She knows she is smart and she wants to take the most of what her school can give her.

Pain Points

She might be annoyed by the amount of technical information that is provided: specs, datasheets, and the description of how electronics work don't make full sense to her yet.

Frustrations

She can never get through long and boring instructions and doesn't understand why someone would even go through a pain of creating them.



Robert Silverman

Zero-to-Maker

Backgroun

Robert Silverman is a 65 year-old retired carpenter and a proud grandfather. He lives with his wife in Abbotsford in a house that they bought shortly after

Goa1

Automation systems is what he is looking for. He also wants to build smaller projects that would engage his grandchildren and would help him stay relevant to younger generation.

Values

Weekends feel like holidays to him because his kids and grandchildren come to visit. Apart from that he enjoys fishing, reading, planning, and woodworking.

Pain Points

Robert doesn't have access to certain software and thus he is frustrated when he can't repeat someone's design because of that

Interests

He has always led an active lifestyle, and he wants to keep it that way even after retirement. Nothing makes him feel better than working on improvement for his family house or creating some toys for his grandkids.

Frustrations

He is passionate about his craft and feels sad when people prefer mass produced items over handmade. He doesn't mind technology but he hates when it alienates people.



Tyler Lee Maker-to-Maker

Tyler Lee is a 26-year-old senior engineer at General Fusion. He + rents a house in Burnaby and enjoys biking to his work.

He enjoys hacking gadgets and regularly challenges himself with learning the new technology and skills. Apart from cutting-edge + technology that he enjoys mountain biking, kayaking, and hiking.

Interests

He has always been interested in technology and being up-to-date on it+ + + is his hobby. He enjoys sharing what he's created and collaborating with others on creating a feasible and viable technological solutions together.

3D printing opened new frontiers for him. He is excited to share what he can do and showcase his skills. He find it interesting how technology change lives and appreciates sustainable solutions.

Pain Points

He is frustrated when steps are uncertain and the platform can't + + + communicate directions clearly. He wants his purchase and building process as efficient as possible.

Frustrations

He doesn't enjoy long wait time at anything. He doesn't like it when the end goal is unknown to him. He can't stand ambiguity in communication.

looking for more projects to practise skills and build up



Interactions

Alex's

Needs

Maker

Source

more experience → **()**------CONSIDERATION PURCHASE RECREATION VALIDATION PARTICIPATION INSTRUCTIONS FOLLOWING EMPOWERMENT follows maker's follows makers browsing the viewing a particular buys components starts building re-creates the provides feedback on sees projects in discovery page project finds directly video/photo/text the project project and gets steps she had more relationship to interestina available instructions skills validated trouble with her newly acquired from The Source skills affirmation of learning a validation of learning finding projects evaluating projects, acquiring the being guided as a hands-on learning understanding process she's interested in gauging level of parts required first time maker learning and seeking guidance specific skill difficulty to get started offered by maker attracts zeroes by providing quick offering a smooth offers detailed promotes maker recognizes their making commenting allows expanding provides engagement displaying projects glanceable information transaction within instructions in a culture learning and available for each network and by showing projects commitment by tailored to their about each project the same online highly visual step, providing establishing social in accordance to interests via ecosystem format creating a personal opportunities for skills and interests 'magnetizing' feedback from both profile the creators and the recreators

Maker Source

↓ Alex Davis

Zero-to-Maker

Tyler Lee

Maker-to-Maker



	DISCOVERY	REGISTRATION	CREATION	AUTHORING	FEEDBACK
Interactions	browsing the discovery page	sign-up	gathers supplies and creates a project he's been planning	uploads a video with instructions, adding details, tools, and supplies needed	replies to questions and/or compliments on the project
Tyler's Needs	finding inspiration for his next project	connect with more makers on the platform	challenging himself to create something different	project documentation	engaging other makers in the community
Maker Source	attracting makers by showcasing trending projects	expanding of the online maker community	offering a platform to showcase makers' projects and progress	approval, publication, and monetization of Tyler's project	engages makers in conversations through the platform

Advanced Makers

End Goals:

Upload original projects
Discover and match resources

Experience goals:

Establish a network of connections
Create an efficient workflow
Get validation in sharing

New and Prospective Makers:

End Goals:

Discover and build projects Purchase components and parts directly

Experience goals:

Learn through doing Get validation of skills Explore and discover interests



Facilitating the sharing and validating the contributions

Besides identifying individual goals and maker culture needs we also determined systemic pain points that our platform could address: the friction between marginalized communities of makers and mainstream markets and the resulting lack of validation and support systems for edge makers.

By emphasizing the value of everyone's participation and offering validation of achievements via. sharing we could nelp makers to move from the extreme margins to mainstream and challenge the visibility of the movement.

It's sharing what you do, and there's such validation in sharing with other people something that is otherwise private. For many people these are things they do off on their own — their families don't even understand why they do it. When they meet other people who appreciate it, it's a big win."

Dale Dougherty Founder of MAKE magazine, Creator of Maker Faire

Value

Business Value

Increase Prof (tangible)

Access to a fast-growing market that has a demand for a

Build Community (intangible/aspirational)

Leverage the content produced by makers to rein in customers and facilitate the dialogue between them

Focused Brand (intangible)

Differentiate itself from other retailers by appealing to those who invent rather than just thos who consume

Corporate Responsibility (aspirational)

Achieve positive social and environmental impact by encouraging edge makers and empowering marginalized communities

Customer Value

Reliable Source of Supplies (tangible)

Maker Source

Access to materials and tools available at their nearest The Source store, and the online platform provides an efficient we to discover and match resources

Educational resource (intangible)

Learn from quality instructions and specifications created by other makers

Validation in Sharing (intangible/aspirational)

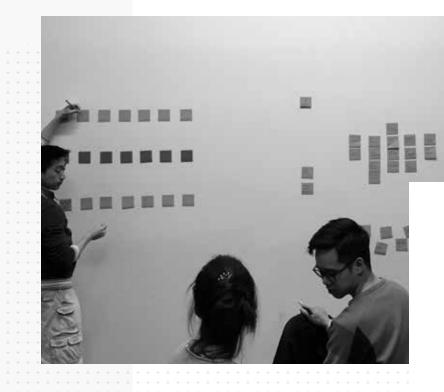
Share projects with a community of like wise individuals and get support, help and feedback from th

Open Source & Open Design (aspirational)

Easy access to knowledge and encouragement to create, co-create and re-create projects

7.1 Points Of Interventions
7.2 Discovery. Explorations
7.3 Discovery. Magnetizing
7.4 Discovery. Categories
7.5 Profile. Skill System
7.6 Profile. Project & Skills
7.7 Discovery. Smart System
7.8 Project View
7.9 Authoring

After interviews and research we looked deeper into the journey framework to define our points of intervention - the specific issues and places where a targeted action can effectively interrupt the functioning of a system and open the way to change. We proceeded with identifying different possible points to target to help design specific actions and functions that would connect our users to maker movement core values and personal goals.



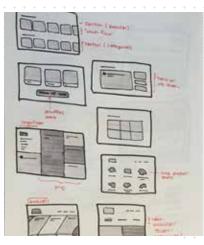
We identified the following points:

- + Discovery
- + Authoring
- + Profile Page
- + Project View

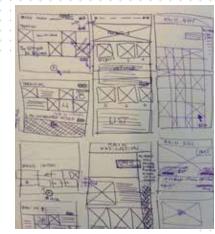
Discovery. Explorations

• • •

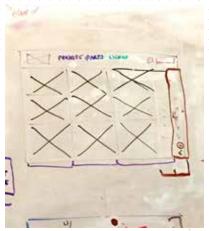
Exploring different ways of clustering, exploring and presenting projects to make it easier for new and experienced makers to become engaged and find interesting projects to build.



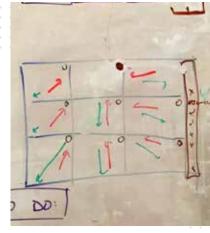
"Tiles". Projects are displayed as titles with onboarding text at the top of the page



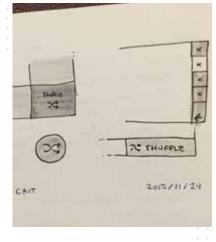
"Decks". Thematically related projects are grouped together and shown as "decks" ("collections"). New decks are added via plus sign.



"3x3 grid". Projects are clustered according to difficulty and interests levels in 3x3 grids.



"Magnetizing option". We introduced the metaphor of attraction/repellence to cluster related project together.



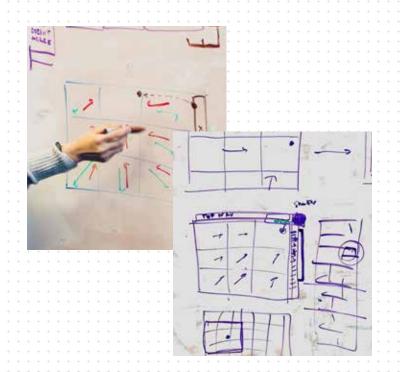
"Shuffle button". To shuffle the project visible on the screen and let users see other 8/9 projects related to the magnetized one.

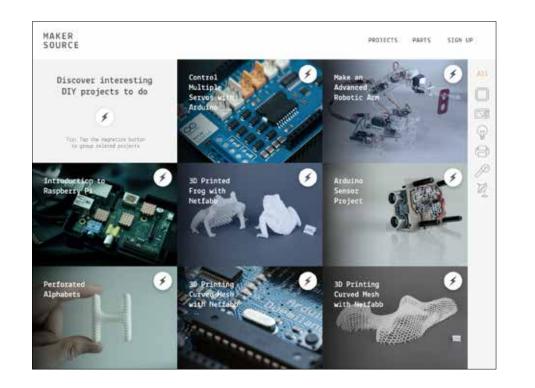
Discovery. Magnetizing

• • •

The insights from our personas led us to create a digital experience based on the magnet metaphor and its forces of attractio and repellence.

Initially, we envisioned the user to drag a "magnet token" from the category menu on the right, and drop it on the project they like. However, this interaction required learning, which introduced unnecessary cognitive overhead for the user.



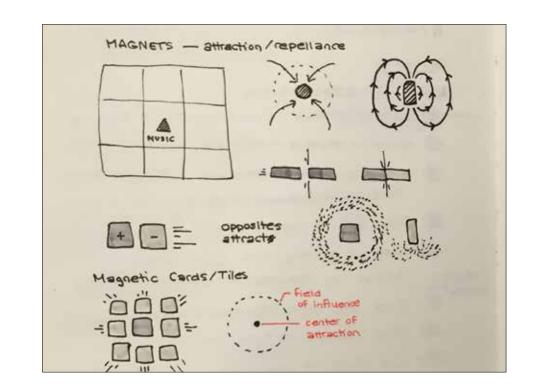




Our second iteration had magnetizing buttons located at the top right corner of each project tile instead. By pressing the lightning icon (called "explore similar" in the final version) on a project box, it repels all the irrelevant projects on the screen, then attracts the related ones while mimicking the "snap"

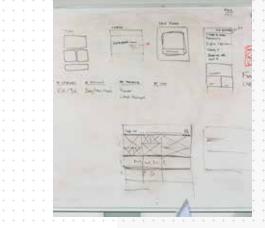
Discovery. Magnetizing

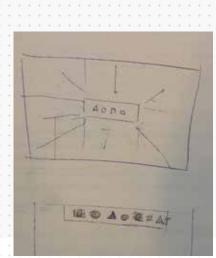
We used this microinteraction as a means for new makers to
overcome anxiety caused by the lack of technical knowledge, and
to make the project exploration experience delightful, engaging,
and spontaneous. This makes it more natural to find interesting
projects based on their own intuition and curiosity.

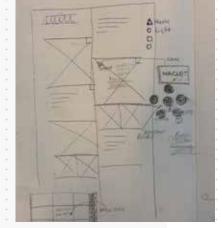


• • •

To address the systematic discovery of projects, we decided to show categories based on features rather than the specific technology (e.g., soldering), specific products (e.g., Arduino), or broad segments (e.g., electronics). This way of organization lowers the cognitive overhead for beginners to browse projects as no technical knowledge of the makers domain is required to get a sense of what's in the platform.





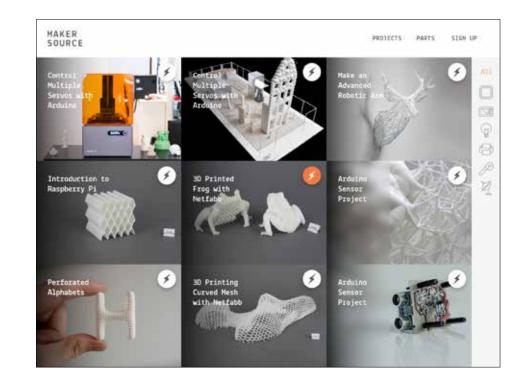


. . .

Furthermore, if the user follows someone in the community, he/she can find their submitted projects under the Following category.

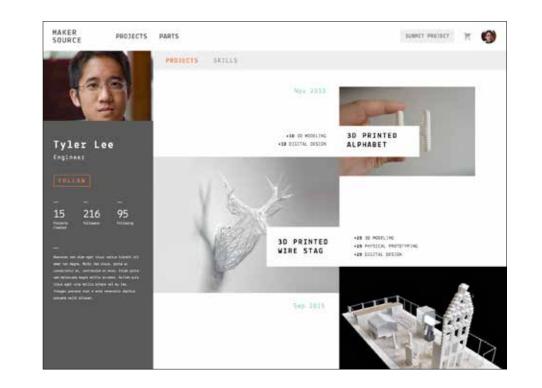
Popular Light
Following Music
Skills Motion
3D Printing Sensors

Discovery. Categories



• • •

Embracing "Everyone's a maker" principle allowed us to come up with a skill - project reference system that rewards contribution and systematic participation. The platform is all inclusive and all makers regardless their levels are considered to be makers. In regards to building projects the only differentiation that happens is whether or not the project was created (original idea) or re-created (build on someone's idea). In order to provide further validation of skills and encourage makers to build their skills systematically, we created a skill level system that awards skills points based on a type of a project and specific skills used in it.



Mon

Whenever a maker creates or a project and uploads it to the platform, The Source awards the maker with skills points that would be then displayed in his/her profile page. When a new maker re-creates a project and clicks "complete project" button, the project is also added to his/her profile and skills points are awarded. Their value is predefined by the creator of the original projects during the authoring stage. Thus, the systems reflects the symbiotic nature of the relationship between new makers, advanced makers and The Source.

. . .

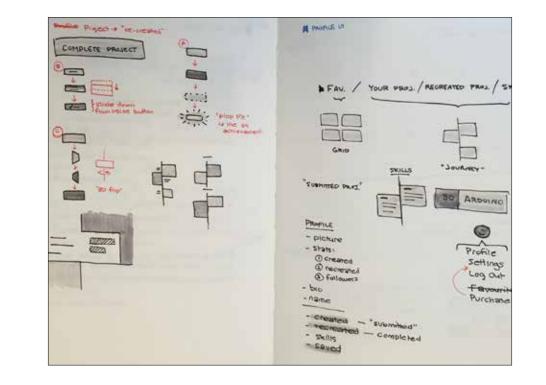
In order to make learning visible and create a clear skills validation system, we designed a profile page that offers a clear and transparent picture of personal growth as well as allows investigating further opportunities for engagement. Completed and uploaded projects are displayed in a form of a timeline along journey and skills that he/she acquired along the way.

Profile. Projects & Skills

We started with 2 modes to display someone's journey: project view and as separate units with skill that one acquired from building this project

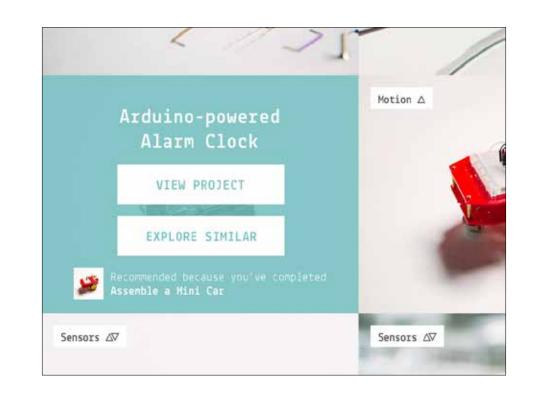
displays the summary of skill levels and provides a list all the projects that went into building this specific skill. Later we split Project view into Recreated projects and Created projects, so we can make the distinction between different

doing principle: Learning, participation, skills view. Project mode shows projects creates further engagement for new makers.



• • •

The discovery experience becomes personalized to the audience as they save, purchase, and complete projects on the platform. We wanted a smart system that suggests content based on their interests, skills and usage behaviour. To show a sense of this underlying mechanism in place, an additional message appears when hovering over a project, which tells the maker why the content was recommended.

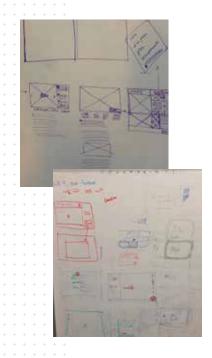


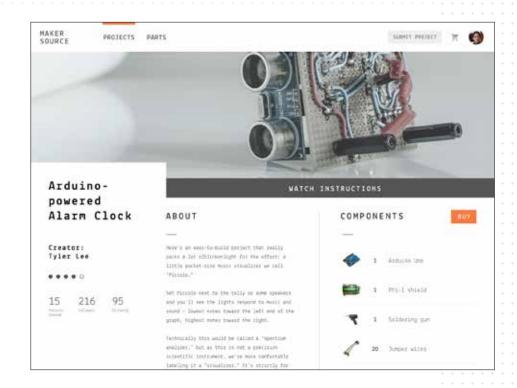
We mapped out the way users would move through instructions in various situations. The key goal was to create a system that is accessible to everyone and is easy to follow - a list of components is formed in relationship to the project and can be modified before being added to the cart. Purchase process is

be modified before being added to the cart. Purchase process is incorporated seamlessly, thus enabling new makers to focus on the building process and to not waste their time by looking for the right components somewhere else.

We also considered different layouts for instructions and annotations/feedback messages. We wanted to make sure that building steps are clear and the user can chose from different ways of following instructions based on personal preferences.

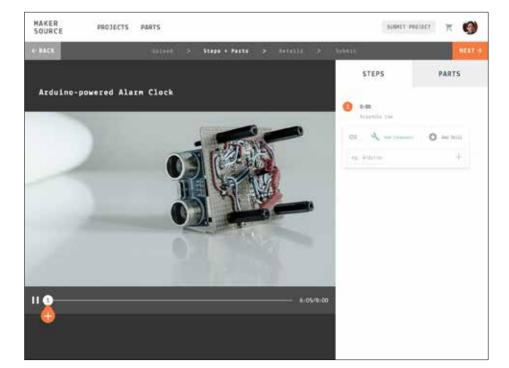
The video have pins that map to text instructions, thus enabling every user to follow the instructions at his own pace and rhythm.





Because makers are the primary content creator for our platform, we designed an authoring tool that lets them effortlessly upload and contribute the instructions for their projects to the community.

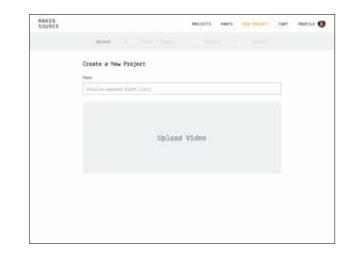
This experience resonates with their value of focusing on the process by showing them a layout for creating digestible step-by-step instructions instead of asking them to write a freeform article. In addition, they can upload a video, insert images for each step, and link to external resources like PDFs and source codes. This rich media flexibility enables them to create visual and informational content that caters well to the zero-to-makers.

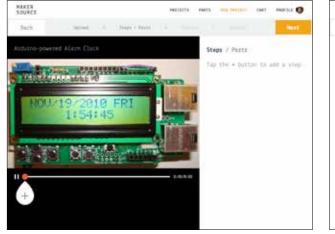


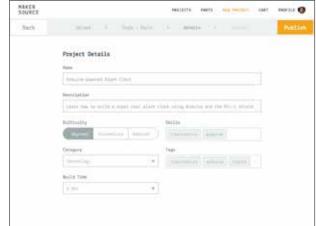
An earlier iteration showing ability to add links and parts

• • •

In early iterations, we wanted the author
to upload video-based content only so
that prospective makers are more inclined
to view them. However, realizing that
producing a video is an expensive process
in itself, we've made it an optional step
so they can create text and image-based
content as well.









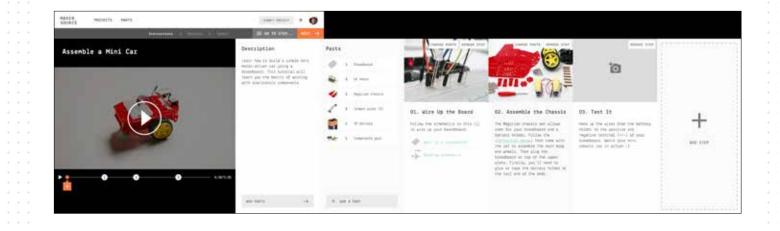
For makers who do upload a video can add ste markers right into video timeline by pressin the add button below the video seek knob.





. . .

After we decided to revamp the project viewing experience with horizontal scrolling, we redid the authoring experience to match it. This allows the audience to use a familiar interface for both learning and creation.





. . .

We used Lekton as our primary and only typeface because of its distinct aesthetic take on a monospace font and its legibility for body text. We felt that a monospaced font is appropriate for our users because of its common usage in programming environments, which gives a sense of "work in progress" and connects with the maker's value of embracing imperfection.

Lekton Bold

Titles and Headers

Lekton Regular

This is the body font. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec id elit non mi porta gravida at eget metus. Nullam quis risus eget urna mollis ornare vel eu leo. Duis mollis, est non commodo luctus, nisi erat porttitor liqula.

Numbering

Lekton Italics

This is for annotations. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec id elit non + mi porta gravida at eget metus. Nullam quis + + + + + + + + risus eget urna mollis ornare vel eu leo. Duis+ + + + + + + mollis, est non commodo luctus, nisi erat porttitor liqula.

We want the brand colors of our platform to

be inviting and inclusive to everyone in the

maker community. We chose bright teal and bright

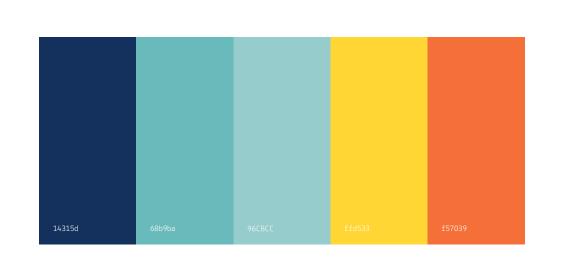
orange as our accent colors to appeal to the

younger audience and to invoke a sense of fun

and friendliness. In our user interface, we also

use a range of gray shades to make each element

distinguishable on the screen.

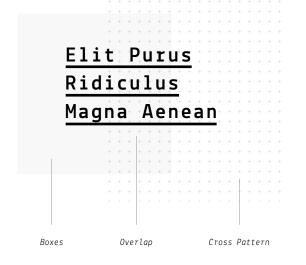




Visual Style

We intended from the beginning to have a lightweight and clean visual system that gives us the flexibility to work with a wide range of colours to distinguish visual elements and make text comfortable to read for our audience.

The cross-dotted pattern is inspired by pegboards that is commonly used in workshops to hold tools. We want to invoke the feeling of a workshop environment familiar with our maker audience to help them resonate with the brand.





Rectilinear Shapes



Graphic Flourishes

Refining the

User
Interface

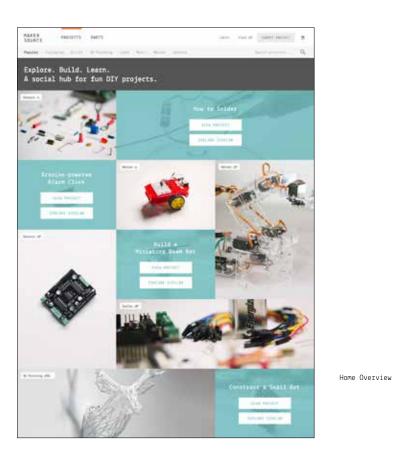
9.1 Discovery

9.2 Project

9.3 Authoring

Profile

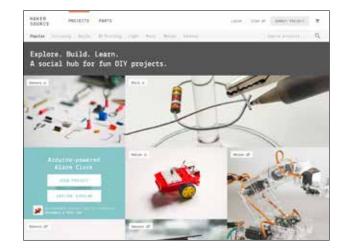
138



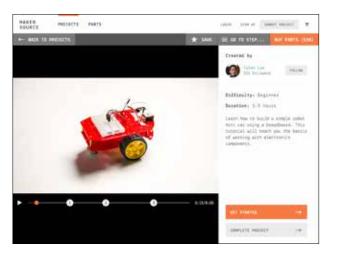
Explore. Build. Learn.
A social hub for fun DIY projects.

Build. For fun DIY projects.

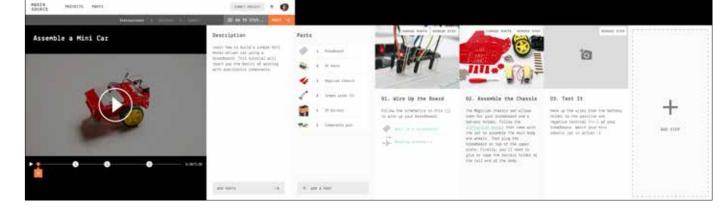
Build.



Smart System Recommendation



Video Instructions



Project Overview

1960 Stor or Cheeck Woods. P

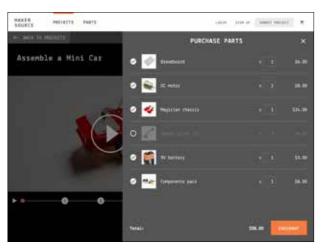
MAKER SOURCE

Payment Hethod

CONSTITUTE CHIEF 100 000

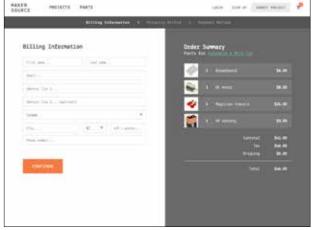
C size bee

PRESECTE PARTS



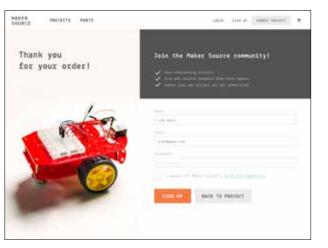
Purchase

• •

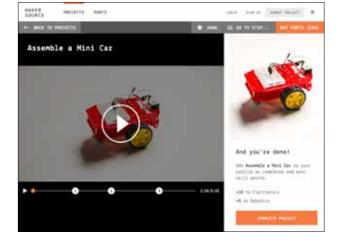


Billing Payment

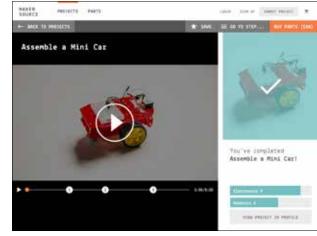
Maker Source



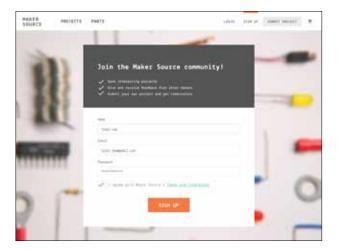
Thank you



Complete Project Completed Project



147

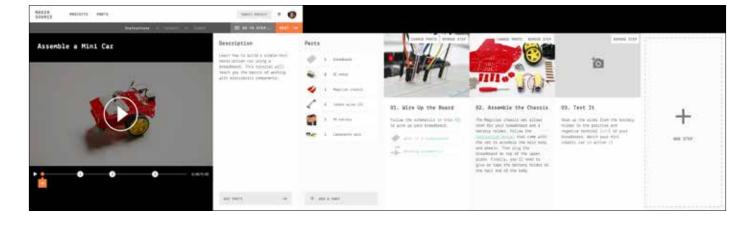


Sign Up

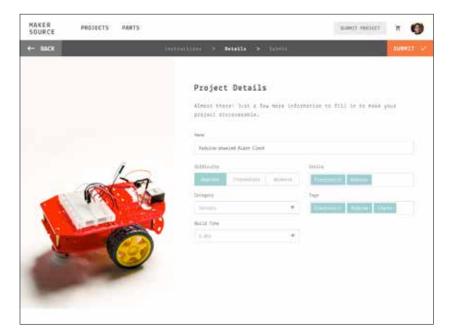


Upload Content

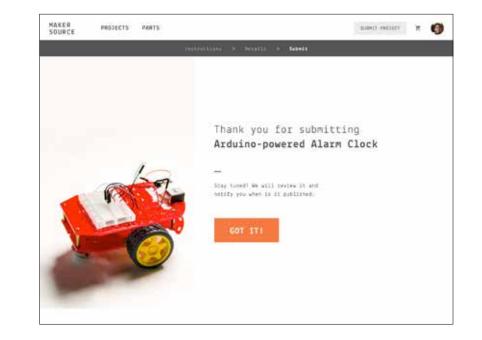
Upload Content



Uploaded Content

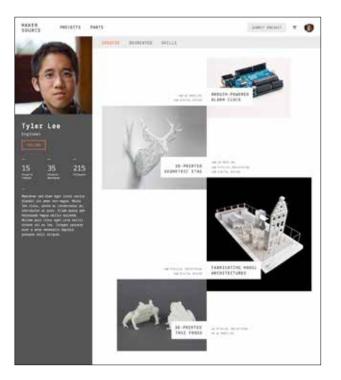


Project De

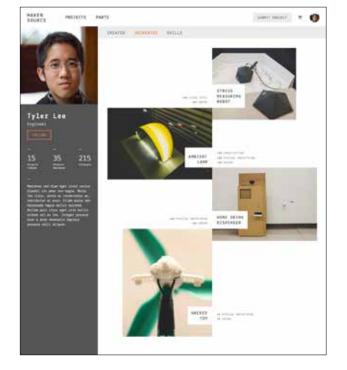


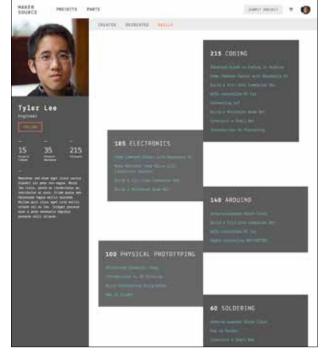
Thank you

152



• •





Created Projects Recreated Projects Skills



• • •

The video is our way of showing the vision we have for The Source's shift into the maker movement space. Making the videos you've hopefully seen was over three different shoots, each with a different goal in mind, that we tied together to tell the story of our platform. Much of it was a good exercise in being flexible in filming, as we visited locations, and tinkered with things we don't have the greatest expertise in. Hopefully you enjoy it as much as we slaved over it.

Disregard the second half of that last sentence. Enjoying it that much is actually unfersible, unviable, and undesirable.





References

Newbery, P., & Farnham, K. (2013). Experience design: A framework for inte grating brand, experience, and value. United States: Wiley & Sons Canada Limited, John. Spies, M. (2015). Branded Interactions: Creating the Digital Experience. London. UK: Thames & Hudson. Neumeier, M. (2003). The brand gap: How to bridge the distance between ness strategy and design. Indianapolis, IN: New Riders Publishing. http://beautifultrouble.org/theory/points-of-intervention/ http://business.financialpost.com/news/retail-marketing/the-source-pr smaller-is-better-in-retail-box-store-battle http://business.financialpost.com/news/retail-marketing/the-source-pr smaller-is-better-in-retail-box-store-battle http://dl.acm.org/citation.cfm?id=2481360 http://gelookahead.economist.com/breaking-the-mould-diy/ http://time.com/104210/maker-faire-maker-movement/ http://www.adweek.com/news/advertising-branding/which-big-brands-areing-maker-movement-and-why-156315?page=2 http://www.businessinsider.com/why-radioshack-business-is-hurting-2014-6 http://www.businessinsider.com/why-retail-is-a-hard-business-2015-11

http://www.dealerscope.com/common/items/biz/ds/audio/2015/03/DS0315 Top101. http://www.economist.com/news/business/21592656-etsv-starting-show-how-maker-movement-can-make-money-art-and-craft-business http://www.economist.com/news/science-and-technology/21643461-radio-shacklost-its-way-when-it-ditched-its-hobbyist-customers-making-it http://www.fastcodesign.com/3029533/with-rebranded-stores-radioshack-tries--to-find-its-way-in-a-post-apple-agehttp://www.fastcompany.com/3010032/tech-forecast/can-the-maker-movementhttp://www.fastcompany.com/3042101/the-rise-of-radioshack http://www.huffingtonpost.com/brit-morin/what-is-the-maker-movemen_b_3201977. http://www.newswire.ca/news-releases/bell-to-acquire-national-electro ics-retailer-the-source-537261281.html http://www.theatlantic.com/technology/archive/2015/04/the-dilemmas-of-maker-culture/390891/ http://www.thesource.ca/estore/default.aspx?language=en-CA http://www2.deloitte.com/us/en/pages/center-for-the-edge/topics/maker-move ment.html

https://en.wikipedia.org/wiki/Maker_culture
https://en.wikipedia.org/wiki/The_Source_(retailer)
https://theblueprint.com/stories/dale-dougherty/
https://webgate.ec.europa.eu/socialinnovationeurope/en/magazine/design-and-technology/articles-reports/understanding-europe%E2%80%99s-maker-movement
https://webgate.ec.europa.eu/socialinnovationeurope/en/magazine/design-and-technology/special-features/making-good-our-future-exploringnew-boundaries-open
https://webgate.ec.europa.eu/socialinnovationeurope/sites/default/files/
sites/default/files/SIE%20-%20Making%20Good%20our%20Future%20-%20May%20
2015.pdf

