YELLOW TEAM

Tool Exchange | Demo 1
Project Overview

- Tool Exchange – a C2C tool rental website

- Interaction between two main customers, those who are looking to rent out their tools (renter) and those who are looking to rent tools (rentee) from another consumer rather than a business; mainly for cost savings

- Intended customers
  - Professionals and DIY workers looking to complete a specific project
  - Males
  - 18+
  - Urban and Suburban locations
Value Proposition

- Provide a secure online exchange for power tools and construction equipment where consumers willing to rent out their tools can find individuals who are interested in borrowing these tools for a fee.

For Renter

- Renters who own their tools but do not have an immediate need to use them to earn additional income by renting them out to individuals who want to use these tools for a project for a limited amount of time.

For Rentee

- This website will provide a place where they can identify the tools needed for their project and help them connect to individuals in their area who already own these tools and are willing to let them borrow this equipment for a nominal fee.
- Cheaper alternative to buying a tool or renting one from a home improvement store.
## Sprint 1

<table>
<thead>
<tr>
<th></th>
<th>User Story</th>
<th>Velocity</th>
</tr>
</thead>
<tbody>
<tr>
<td>USFE01</td>
<td>Create wireframes for default templates (home, detail, list, profile, cart, category)</td>
<td>4</td>
</tr>
<tr>
<td>USFE09</td>
<td>Organize site navigation to allow for renter browsing</td>
<td>3</td>
</tr>
<tr>
<td>USFE11</td>
<td>Organize menu options</td>
<td>1</td>
</tr>
<tr>
<td>USFE05</td>
<td>Create the information architecture diagram</td>
<td>3</td>
</tr>
<tr>
<td>USBE02</td>
<td>Create ERD diagram for tables</td>
<td>3</td>
</tr>
<tr>
<td>USBE04</td>
<td>UML sequence diagram for web site</td>
<td>1</td>
</tr>
<tr>
<td>USBE08</td>
<td>UML activity diagram for website</td>
<td>1</td>
</tr>
<tr>
<td>USBE09</td>
<td>UML actor diagram for website</td>
<td>1</td>
</tr>
<tr>
<td>USBE03</td>
<td>Create tables for dynamic content</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Velocity for Sprint 1</strong></td>
<td></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>
USFE01 - Create wireframes for default templates

As a renter or rentee of tools, I want to be able to easily use and understand the web site so that I can find the tools I need for a given project, as a renter, and be able to easily manage my inventory and track tools I am renting out, as a rentee. The site design should be intuitive to the users of the site.

Acceptance Criteria

- Skins are reviewed by potential users to determine ease of use – signed off
- Skins are reviewed by technical team members to determine if they are able to be developed – signed off
USFE09 - Organize site navigation to allow for renter browsing

As a renter of tools, I want to be able to easily navigate the web site so that I can find the tools I need for a given project.

Acceptance Criteria

- Skins are reviewed by potential users to determine ease of use – signed off
- The top navigation is organized by how a tool is used, and should make sense to tool renters that are not experts
- Build out hierarchy from top navigation to lower level pages.
USFE11 - Organize menu options

As a renter or rentee of tools, I want to be able to easily understand the top and sub menu options so I can quickly navigate to where I need to go on the web site.

Acceptance Criteria

- The top navigation is reviewed by and signed off on by stakeholders - they confirm its usability
USFE05 - Create the information architecture diagram

As a designer of the site, I want to visualize the architecture diagram to help spot any inconsistencies.

Acceptance Criteria

• This tool is needed to be able to understand the interaction the user has with the site
USBE02 - Create ERD diagram for tables

As a DBA of the site, I have to create ERD diagram in order to design the database and modelling data and the relationships between the data that reflects the needs of the site.

Acceptance Criteria
- The diagram correctly represents the data elements communicated during our meeting and data gathering activities.
- The relationships derived are validated based on our business rules.
- The ERD correctly names and defines all entities, according to our business rules.
- ERD diagram must represent our understanding of our requirements.
As a programmer of the site, I need to use a UML diagram to easily map out the site model using a unified language in order to align the team and make sure everyone has a common understanding.

**Acceptance Criteria**

- Ability to Show the timing of events in single use case.
- Ability to Show the orders in which activities occur.
- Provide a view of how various business objects interact.
USBE08 - UML activity diagram for website

As a programmer of the site, I need to understand the user flow through the website so that I can build the site logic correctly.

Acceptance Criteria

- Ability to illustrate the flow of events that the use cases describe.
- Ability to describe the most important workflows of the website.
- Ability to ensure the correctness of both the specified design and the sequent implementation.
- The diagram provide all details of the functionality desired in the website.
USBE09 - UML actor diagram for website

As a programmer of the site, I need to understand how different user types will interact with the website so that I can build the site logic correctly.

Acceptance Criteria

- Ability to define all actors who play a role in one or more interactions with our site.
- Ability to provide some observable and valuable result to the actors of the system.
USBE03 - Create tables for dynamic content

As a DBA of the site, I have to create tables in the database that include the site’s dynamic content so that I can easily access them.

Acceptance Criteria

- Ability for store data paths used for dynamic content on the front end
- All directory paths must point to the proper tool images
- All directory paths must point to valid data
## Sprint 2

<table>
<thead>
<tr>
<th>#</th>
<th>User Story</th>
<th>Velocity</th>
</tr>
</thead>
<tbody>
<tr>
<td>USFE03</td>
<td>Use HTML5, PHP and ASP.NET to code pages</td>
<td>5</td>
</tr>
<tr>
<td>USFE20</td>
<td>Create graphics with Sketchbook Pro and Photoshop</td>
<td>5</td>
</tr>
<tr>
<td>USFE02</td>
<td>Create global CSS file</td>
<td>3</td>
</tr>
<tr>
<td>USFE22</td>
<td>Implement JQUERY rotating slider for the landing page</td>
<td>3</td>
</tr>
<tr>
<td>USBE05</td>
<td>Configure connections to database</td>
<td>1</td>
</tr>
<tr>
<td>USBE01</td>
<td>Create tables for users</td>
<td>1</td>
</tr>
<tr>
<td>USBE12</td>
<td>Session states</td>
<td>3</td>
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<tr>
<td>USBE18</td>
<td>Inventory Management</td>
<td>3</td>
</tr>
<tr>
<td>USBE13</td>
<td>Data encryption</td>
<td>2</td>
</tr>
<tr>
<td>USBE06</td>
<td>Create Database Security Table</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Velocity for Sprint 2</strong></td>
<td></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>
USFE03 - Use HTML5, PHP and ASP.NET to code pages

As a user of the site, I need to be able to access and interact with the site using the latest web browsers so that I can easily rent a tool or post a tool for rent or sale.

Acceptance Criteria

● The website code is compatible with the latest versions of IE, Firefox, and Chrome
● Users are able to interact with the site with system errors
USFE20 - Create graphics with Sketchbook Pro, Photoshop and Illustrator

As a user of the site, I want to have the site’s look and feel be aesthetically pleasing and easy to use.

Acceptance Criteria

- All graphics must be compatible with the coding structure and web ready
- Graphics must tie into overall theme of the site
- Any action graphics must be clear to the user to avoid confusion
USFE02 - Create global CSS file

As an designer of the site, I want to have the majority or the site’s design code to reside in a CSS file so that the overall look and feel does not have to be replicated for each page, and any updates are easy to implement

Acceptance Criteria

- CSS must be compatible with the most popular browsers
- All web pages must call to a CSS file
USFE22 - Implement JQUERY rotating slider for the landing page

As a designer of the site, I want to present the users with dynamic rich content on the home page of the site that will drive them to explore the site further and convert sales.

Acceptance Criteria

- Allow user to slide/browse through the scenes loaded to the home page
- Create a slider on the home page that can display multiple scenes
As a DBA of the site, I have to setup the database connection and ensure that the connection is working properly so I can access and retrieve the data.

Acceptance Criteria

- Ability to retrieve content out of our database for inclusion in a web page.
- By connecting to our database, the website will be able to retrieve the products information to display them.
- By connecting to our database, the users of the site will be able to retrieve their information.
USBE01 - Create tables for users

As a DBA of the site, I have to create a table for users which includes all usernames, passwords, security questions and answers in order to allow user to log-in to the sit.

Acceptance Criteria

- By retrieving the data which stored in this table, the customers will be able to log in to our site
USBE12 – Session State

As a programmer of the site, I have to setup and test session in the website’s pages in order to pass and remember the user data from one page to another.

Acceptance Criteria

- Ability to share users data between pages.
- Ability to controls the lifetime of the "login operation"
USBE18 - Inventory Management

As a programmer of the site, I need to have an inventory management and tracking module so that renters and rentees can track their transactions and properly do business.

Acceptance Criteria

- Any inventory changes are stored in the database and reflected on other pages on the site to potential renters
- Rentees are able to mark tools as in or out of inventory which will inform renters on what are available
- Rentees are informed when a renter wants to rent a particular item they have in their inventory
USBE13 - Data encryption

As a programmer of the site, I want to write a function that encrypt and decrypt the usernames and the passwords of the site’s users so I can’t read the original usernames and password of users to ensure the security of the site.

Acceptance Criteria

- Ability to encrypt the user-name and password correctly.
- Ability to decrypt the user-name and password correctly
USBE06 - Create Database Security Table

As a DBA of the site, I have to setup the database security to allow for user information to be stored safely and avoid potential security.

Acceptance Criteria

- Ability to protect customers personal and login (username/password) data.
Issues

- Coordinating coding between several people
- jQuery Slider not working correctly 100% - JS issue
Adding new user stories/Sprint adjustments

- Took USFE07 - Provide details to the dynamic content (lists data) story out because it was redundant
- USFE05 moved to Sprint 3
- Will need to add an additional user story for widgets (Search bar, Google Maps widget, Share buttons, etc.)
- HTML coding & graphic design is going to be carried over to Sprint 3 & 4
- Added new Ajax user Story
- USBE06 - Security table removed because all security issues addressed by data encryption scripts
- New user story, ability to add manual products.