**Milwaukie Hardwoods**

*What are the major features of your web application? What problem is it attempting to solve?*

Milwaukie Hardwoods is the internet home of the physical business, owned and operated by myself and my father. We are a resource to transport, mill, kiln-dry, and process local hardwood logs & lumber.

Our primary issue is a fundamental marketing issue. We need to solicit free salvage logs from homeowners, arborists, and builders. We need to solicit log transport, milling, kiln-drying, and lumber processing work directly to customers. We need to exemplify that we are masters of our craft and demonstrate knowledge & provide value on the website in our content. We could also sell our lumber directly on the website.

*What libraries or frameworks will you use?*

Bootstrap, and other CSS Frameworks, I would like to use some fancy buttons and other front-end libraries

**User Stories:**

“As the business owner, I would like to be able to update current species of wood in stock with photos and basic descriptions of each load coming out of the kiln”

“As a customer, I would like to be able to learn more about the specific species offered by MHW”

“As a furniture maker, cabinet shop, or other wholesale customer, I want to send a request in for a large order of lumber and initiate an order request”

“As a homeowner, arborist, or builder – I would like to be able be able to contact you via the website and film out a form to request a log pick-up without ever having to text or call you”

“As a customer, I would like to pay an invoice online”

“As a customer, business owner, and member of the greater MHW community of past and potential future customers, I would like to be able to post an entry on a “Community Projects” page, of a project made with MHW lumber, with a brief description and link if any to my project portfolio website, FB, or Instagram page.”

“As a customer, I would like to order a piece of custom furniture to be made from an uncut log provided by myself or MHW – where I can track that tree’s history & life story, as well as a portal to an online platform which I can see updates from MHW about the processing of that tree from log, to milled lumber, to air-drying lumber, to kiln-drying lumber, to processing the lumber, and final furniture design & assembly. I could also approve designs for the proposed furniture, so all correspondence could be digital and easily followed on a single platform.”

Milestone 1 – Log Inquiry Form

Milestone 2 – Lumber Order Form

Milestone 3 – Customer Furniture / Project Form (Tree to Table)

* Home Page / Static Pages
* Our Services
  + Milling
  + Kiln Drying
  + Lumber Yard
  + Boom Crane Truck
  + Lumber Processing
  + Custom Furniture
* Log Inquiry Form
  + Log Inquiry Flyer / f.a.q.
* Lumber Inventory / Inquiry
* Custom Furniture Form
* About Us

Milestone 4 – Backend access thru Django to blog & gallery

\*Milestone 4.5\* - Quickbooks API integration (invoice look-up and portal)

Milestone 5 – Customer Dashboard portal

**Milestone 1**

**End-to-end Product: Photo Gallery**

Models:

Picture

Genre – choice(Milling, Our Shop, Lumber Stacks, Lumber Yard, Boom Crane Truck)

Wood / Tree Species – charField (or none)

Description – CharField

Views / Templates:

( Centered Picture)

Genre

Centered description

Controller View:

‘api/<picture>/’

**Page Index List:**

Home Page

Solicit Logs from Community

List of Local Species we offer

Our Services

Milling

Air Drying

Kiln Drying

Log Transport

Lumber Processing

Tree-to-Table Furniture Making

Photo Gallery: (Owner Users are able to add photos to a specific photo gallery, which is really just a rendering of a database of photos stored in django)

Milling – both mills – Woodmizer & Lucas Mill

Our Shop

Lumber Stacks

Lumber Yard

Crane Truck

**Two Users:**

Owners

Non-owners

**Milestone 2**

**End-to-end Product: Blog**

Models:

Blog

Inventory Update / Kiln Load – True or False

Wood / Tree Species – charField (or none)

Description – CharField

Views / Templates:

Controller View:

**Page Index List:**

Blog Updates / Current Loads of Lumber coming out of the Kiln

* Owner User can publish blog-like postings, with the theme centering around current loads of lumber coming out of the kiln

Solicit Logs from Community

* Display Flier for free logs
  + Contact Us Form
* Display Flier for logs we will pay for

**Milestone 3**

**Page Index List:**

Solicit Logs from Community

* Display Flier for free logs
* Custom Form:
  + with the online user entering the useable height of the log (ground to crotch)
  + diameter of log/tree
  + pictures of log/tree
  + pictures of leaf(needles) of log/tree
  + pictures of access points to the log/tree, nearest entrance to road

**Milestone 4**

**Page Index List:**

Quickbooks API integration – Able to submit payment tied to an invoice which automatically updates our Quickbooks back-end.

**Milestone 5**

**Page Index List:**

Login Page – Top Right of every page

Once Login – a dashboard page is created for every user

* user can request quote
* pay invoice
* request log pick-up for trade or payment
* user can track progress on furniture making/milling/drying project
* Enter completed “community projects”, built using MHW lumber

**Users**:

Owner

Owner

Furniture Maker

Sawyer / Kiln Operator

Wholesale Customer

Direct Retail Customer

\*\*Log Donation / Source