Kevin Kingsbury

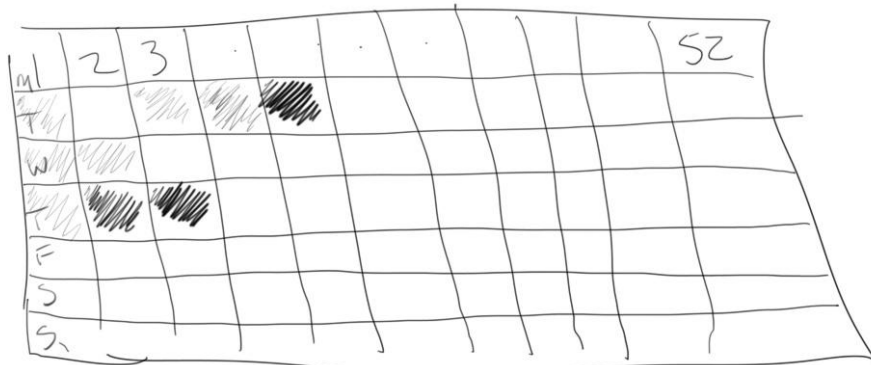Selected CIT Course Projects

Data Visualization

Project Type: Data visualization
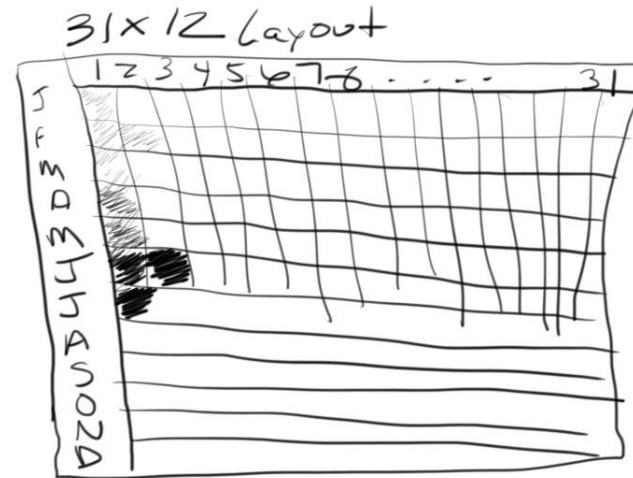
Tools Used: Processing

Concept: The concept for this project was to create a data visualization by using the Processing language. This was an assignment for the Foundation of Software Design and Development course. I chose to create a heatmap visualization from a small dataset of temperatures collected in Nashville.
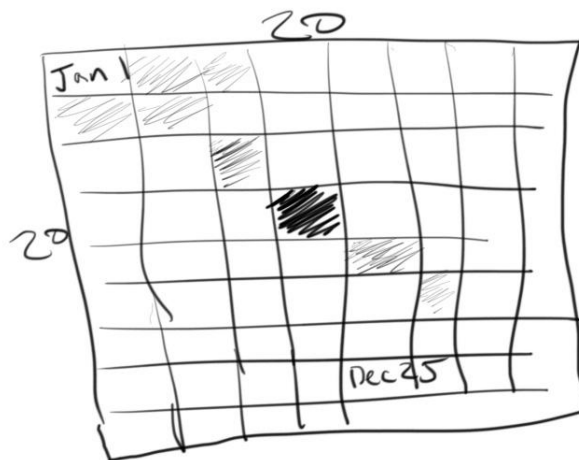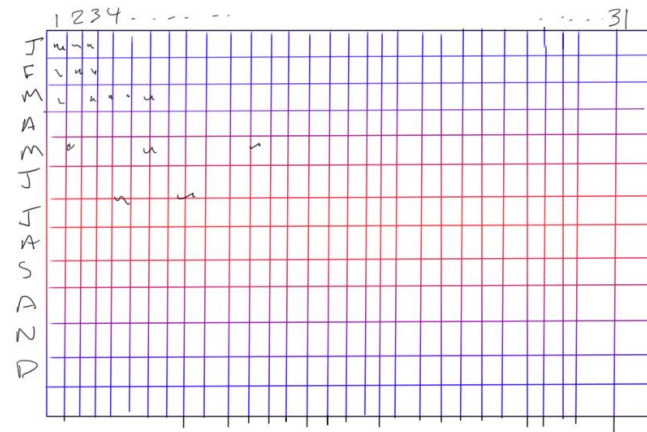
Github Repository: https://github.com/newanalog/CIT2160-ProjectB

Initial Sketches

52 week x 7 day layout
Maybe too wide

(grid with columns 1, 2, 3 ... 52; rows M, W, T, F, S, S)

---

31 x 12 Layout

1 2 3 4 5 6 7 8 31

(rows J F M A M J J A S O N D)

Data points would
be tall rectangles

20x20 layout
Not enough
days to fill,
but looks
good as a
square

(grid 20 x 20, Jan 1 ... Dec 45)

---

1 2 3 4 31

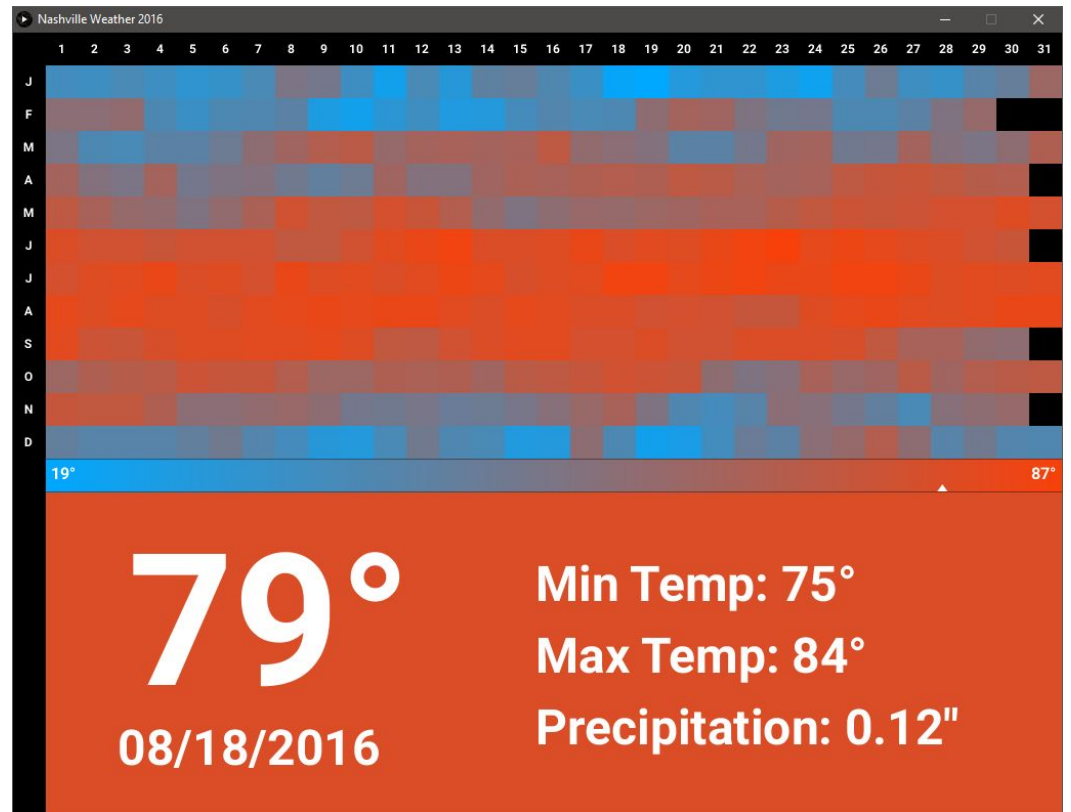(rows J F M A M J J A S O N D)

Grid lines are
colors instead
of data
squares.

Temp data would
be on the
grid

Final Sketch and Final Implementation Screenshot

1234..... -31

JFMAMJJASOND

32   96

7/23/18   Min 88   Rain 0"
92°   max 102
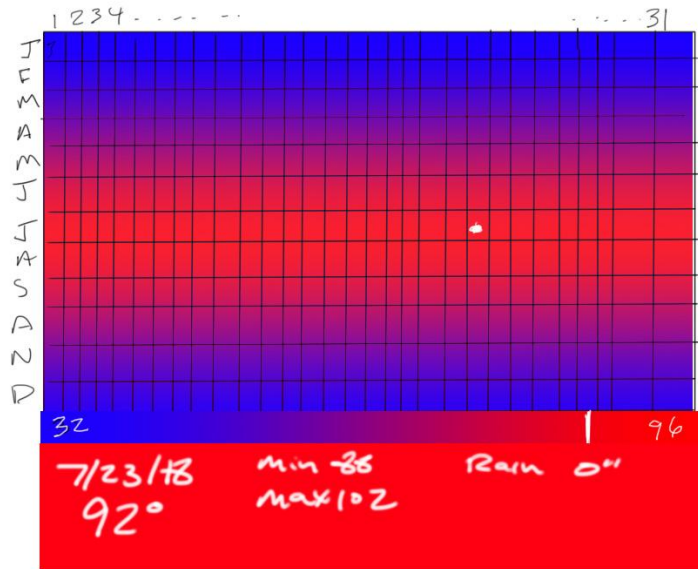
Info panel on bottom
color change on mouse hover
Info update on mouse hover

Nashville Weather 2016

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

J F M A M J J A S O N D

19°   87°

79°
08/18/2016

Min Temp: 75°
Max Temp: 84°
Precipitation: 0.12"

Trivia Quiz Project

Project Type: Fully dynamically-generated responsive site

Tools Used: JavaScript, HTML, CSS, VS Code, Chrome DevTools

Concept: The concept for this project was to create a dynamically-generate website for displaying trivia questions. The site was done as a project for the Advanced Web Design and Development course. Using only barebones HTML, the site displays, grades, and records dynamically generated quizzes from a question pool using only vanilla JavaScript.

Github Repository: https://github.com/newanalog/4450-TriviaQuizProject

VS Code & Chrome DevTools Responsive View
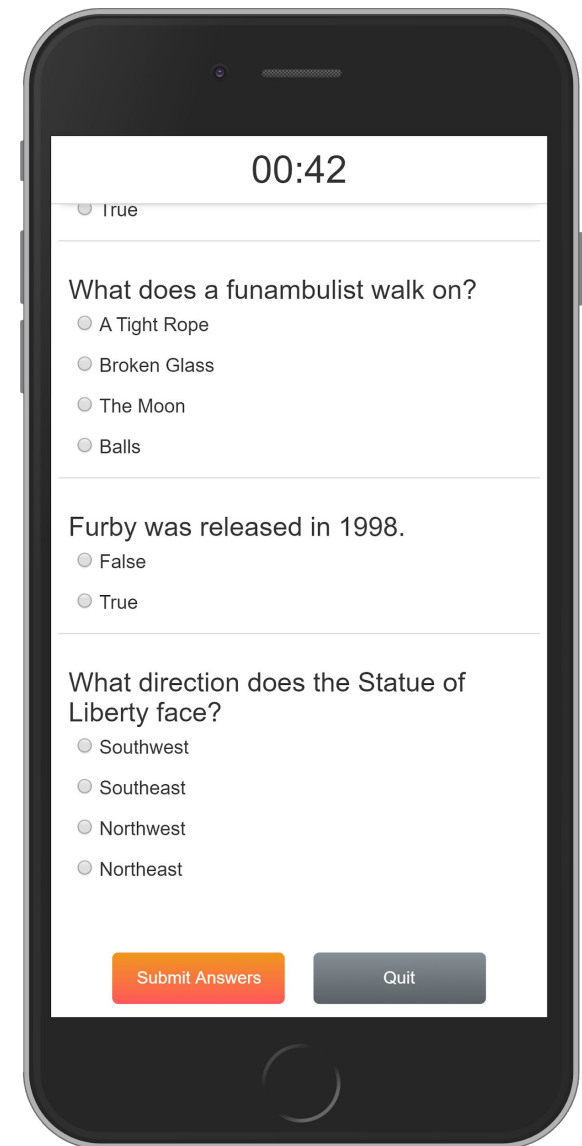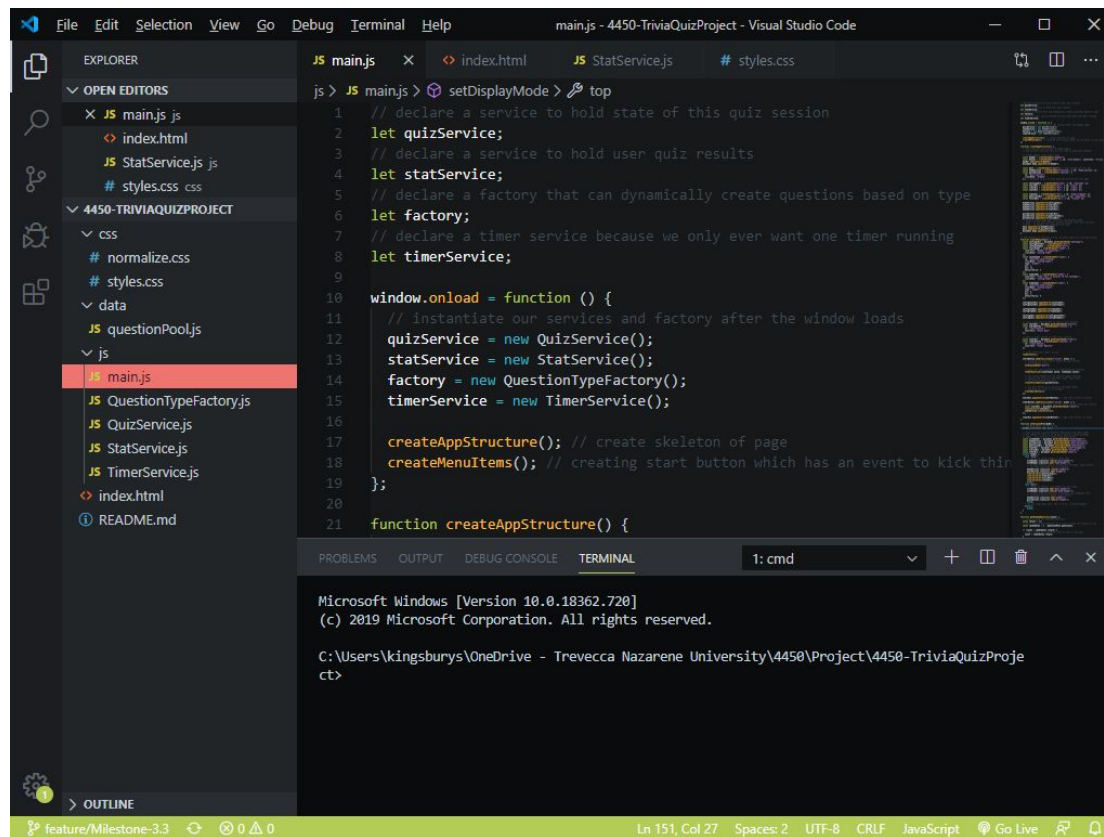
Final Desktop Site

Trivia Project

00:57

If you planted the seeds of Quercus robur, what would grow?
- ○ Vegetables
- ○ Flowers
- ○ Grains
- ○ Trees

Nephelococcygia is the practice of doing what?
- ○ Swimming in freezing water
- ○ Sleeping with your eyes open
- ○ Finding shapes in clouds
- ○ Breaking glass with your voice

What do the letters of the fast food chain KFC stand for?
- ○ Kentucky Fresh Cheese
- ○ Kiwi Food Cut
- ○ Kentucky Fried Chicken
- ○ Kibbled Freaky Cow

What is the capital of Tennessee?

[   ]

What direction does the Statue of Liberty face?
- ○ Southwest
- ○ Southeast

Responsive Website

Project Type: Responsive website utilizing Bootstrap
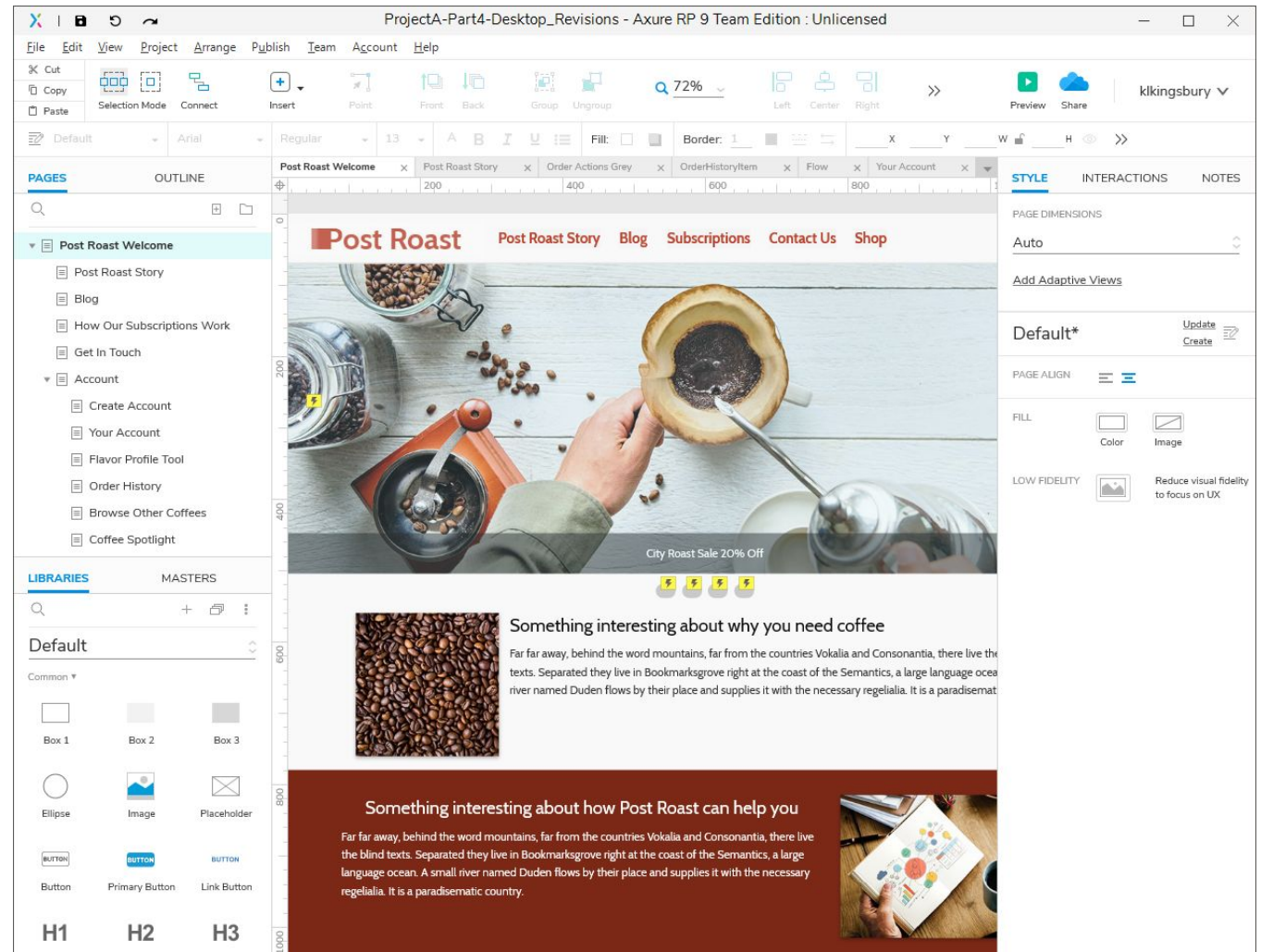
Tools Used: JavaScript, HTML, CSS, Bootstrap Framework, VS Code, Chrome DevTools

Concept: The concept for this project was to create a responsive website using the Bootstrap framework. This was an implementation of design work done in the Foundations of UX Design course. The website implements selected webpages for the website of a fictional coffee roasting company called Post Roast.
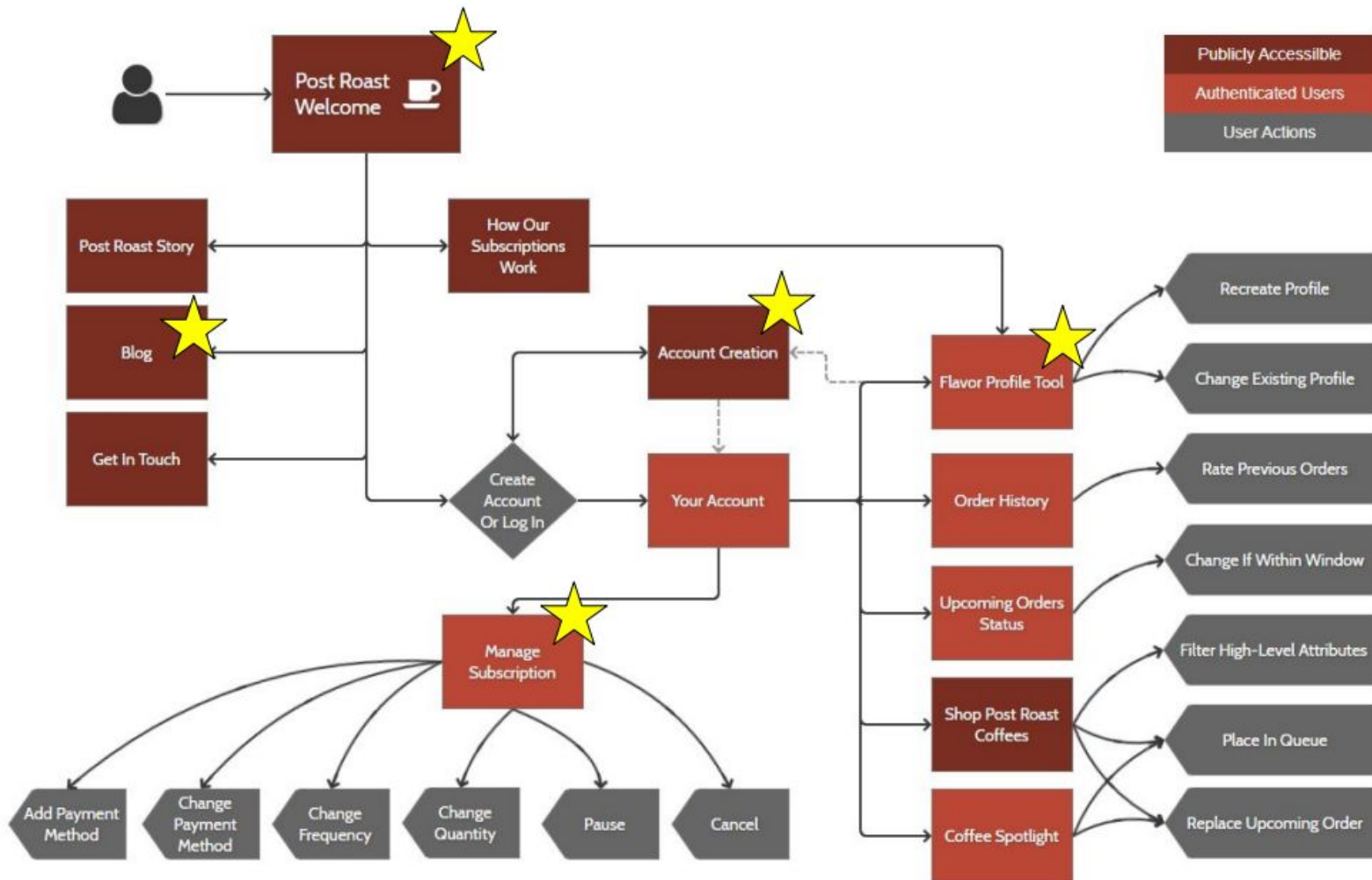
Github Repository: https://github.com/newanalog/4960-ProjectB

Initial Axure Mockup & Logo

Sitemap

Legend:
- Publicly Accessilble
- Authenticated Users
- User Actions

Nodes:

- Post Roast Welcome ★
- Post Roast Story
- Blog ★
- Get In Touch
- How Our Subscriptions Work
- Account Creation ★
- Create Account Or Log In
- Your Account
- Flavor Profile Tool ★
  - Recreate Profile
  - Change Existing Profile
- Order History
  - Rate Previous Orders
- Upcoming Orders Status
  - Change If Within Window
- Shop Post Roast Coffees
  - Filter High-Level Attributes
  - Place In Queue
- Coffee Spotlight
  - Replace Upcoming Order
- Manage Subscription ★
  - Add Payment Method
  - Change Payment Method
  - Change Frequency
  - Change Quantity
  - Pause
  - Cancel

Final Desktop & Responsive Design Using BootStrap