

KEVIN KINGSBURY

Selected CIT Course Projects

DATA VISUALIZATION

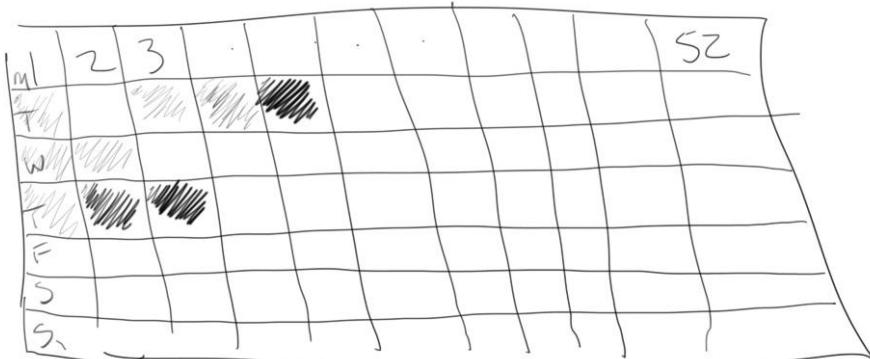
Project Type: Data visualization

Tools Used: Processing

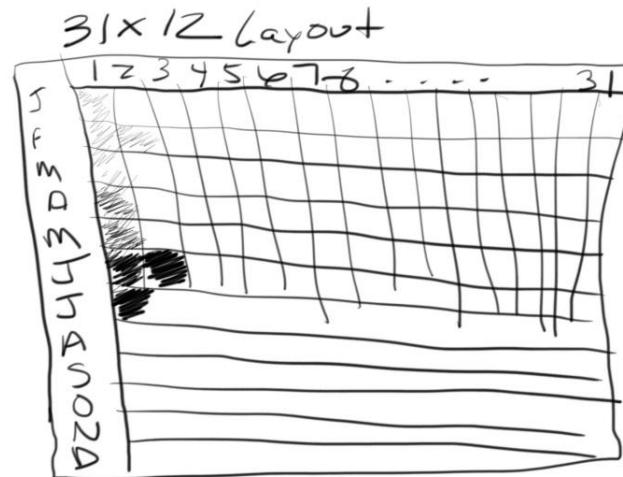
Concept: The concept for this project was to create a data visualization by using the Processing language. This was an assignment for the Foundation of Software Design and Development course. I chose to create a heatmap visualization from a small dataset of temperatures collected in Nashville.

Github Repository: <https://github.com/newanalog/CIT2160-ProjectB>

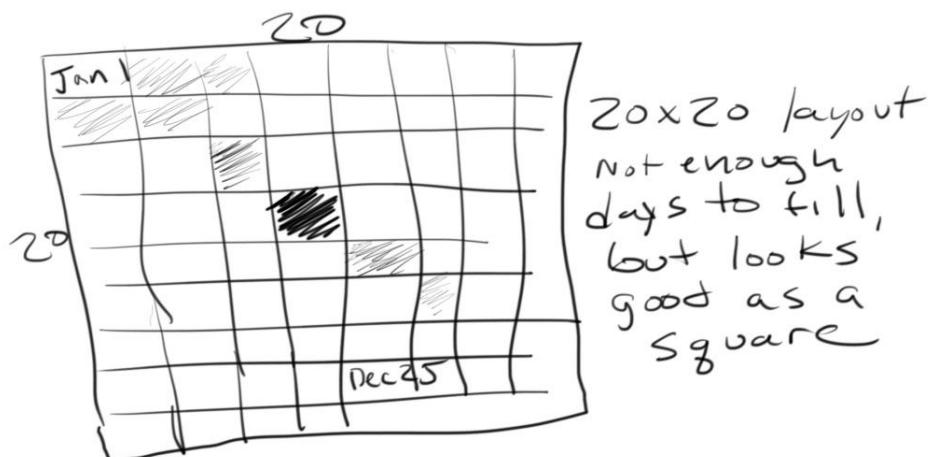
INITIAL SKETCHES



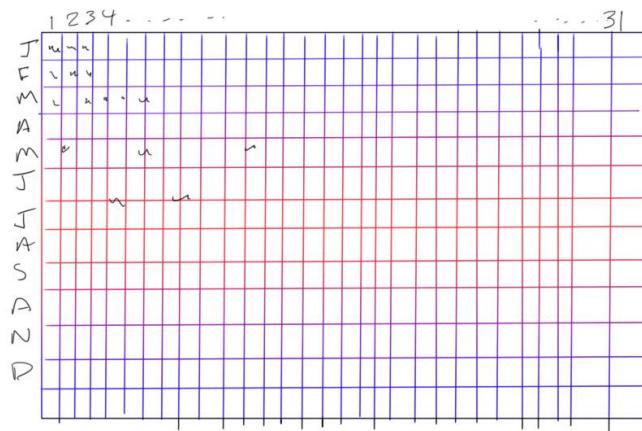
52 Week x 7 day layout
Maybe too wide



Data points would
be tall rectangles

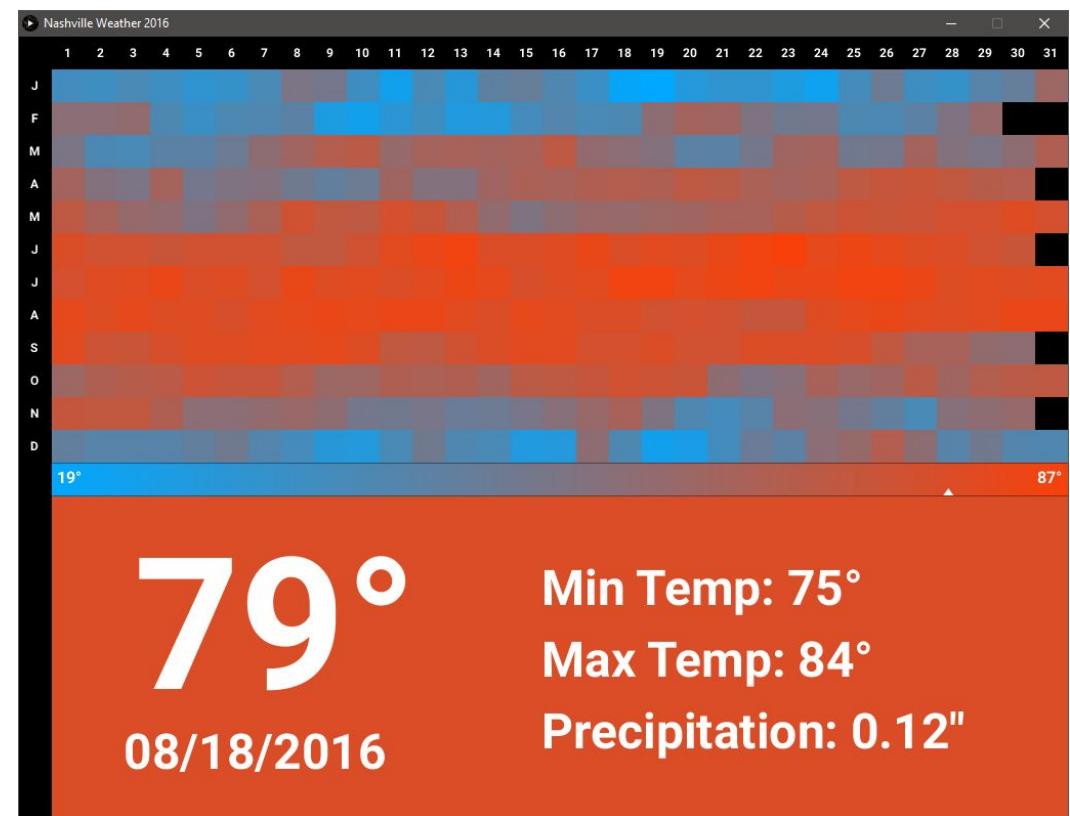
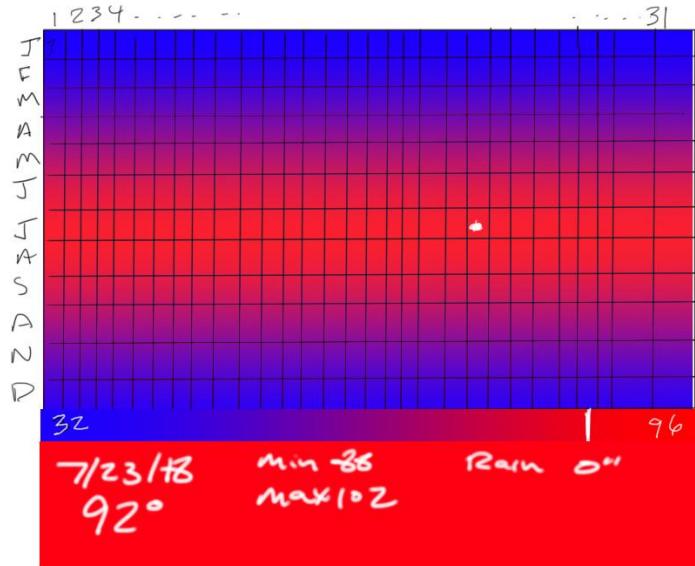


20x20 layout
Not enough
days to fill,
but looks
good as a
square



Grid lines are
colors instead
of data
squares.
Temp data would
be on the
grid

FINAL SKETCH AND FINAL IMPLEMENTATION SCREENSHOT



TRIVIA QUIZ PROJECT

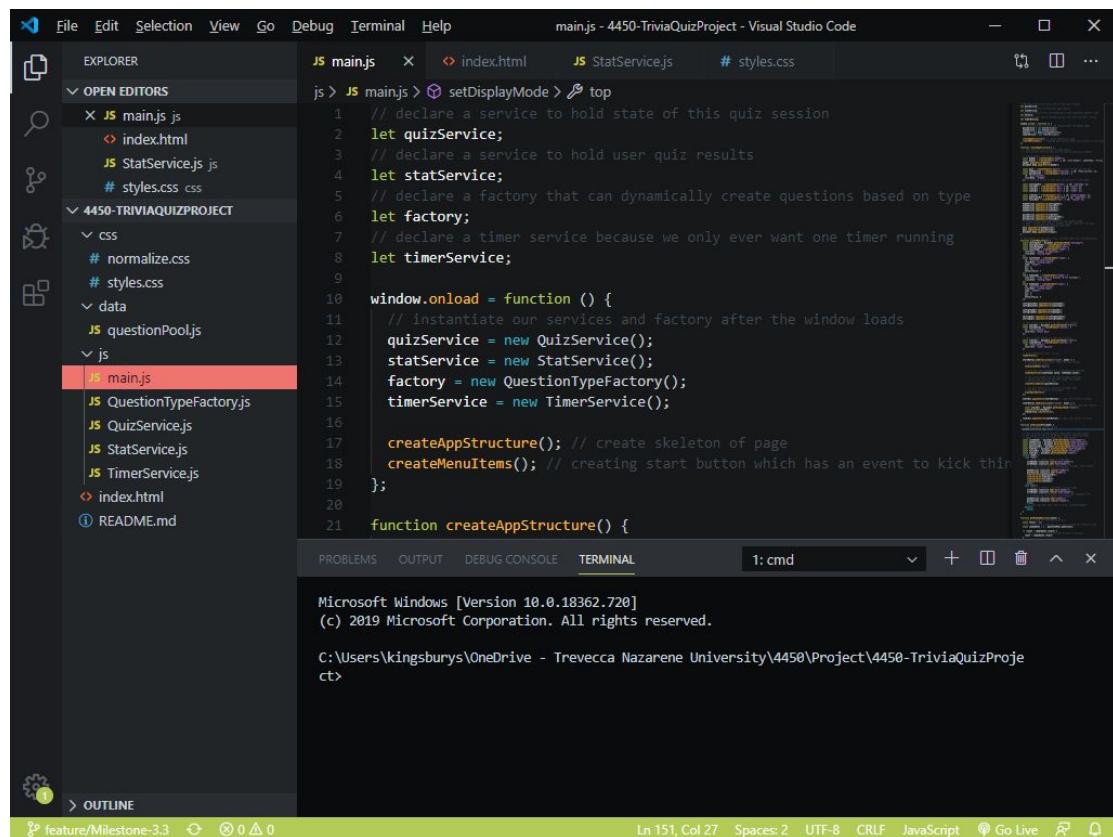
Project Type: Fully dynamically-generated responsive site

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



```
js main.js x index.html JS StatService.js # styles.css
js > js main.js > setDisplayMode > top
1 // declare a service to hold state of this quiz session
2 let quizService;
3 // declare a service to hold user quiz results
4 let statService;
5 // declare a factory that can dynamically create questions based on type
6 let factory;
7 // declare a timer service because we only ever want one timer running
8 let timerService;
9
10 window.onload = function () {
11     // instantiate our services and factory after the window loads
12     quizService = new QuizService();
13     statService = new StatService();
14     factory = new QuestionTypeFactory();
15     timerService = new TimerService();
16
17     createAppStructure(); // create skeleton of page
18     createMenuItems(); // creating start button which has an event to kick this off
19 }
20
21 function createAppStructure() {
```

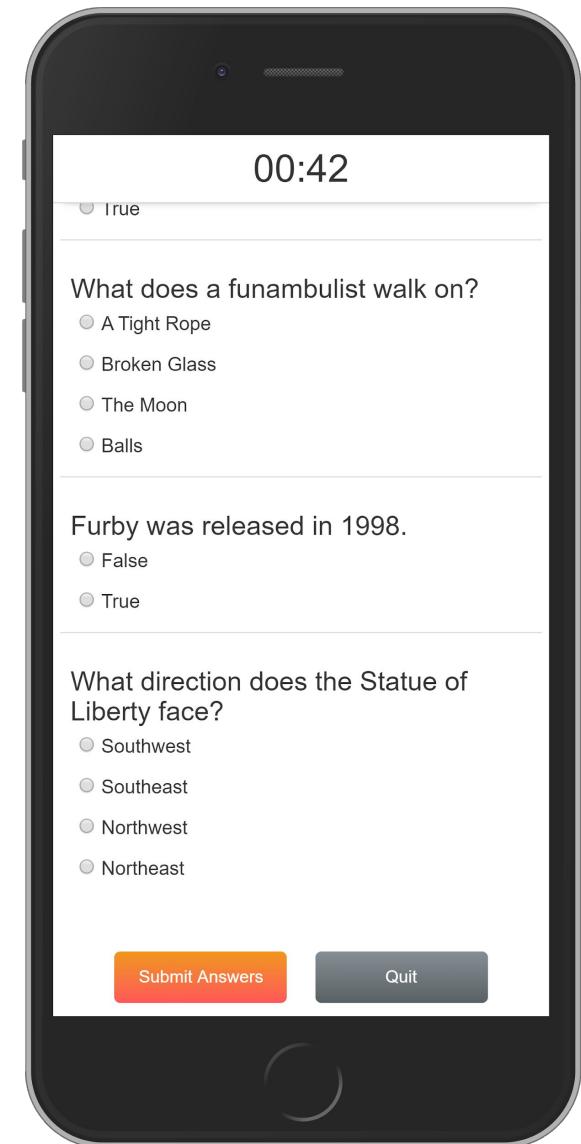
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: cmd

Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\kingsburys\OneDrive - Trevecca Nazarene University\4450\Project\4450-TriviaQuizProject>

feature/Milestone-3.3 0 0 △ 0

Ln 151, Col 27 Spaces: 2 UTF-8 CRLF JavaScript Go Live



FINAL DESKTOP SITE

The screenshot shows a web browser window with a green header bar containing the text "Trivia Project". Below the header, a timer displays "00:57". The main content area contains four trivia questions:

- 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

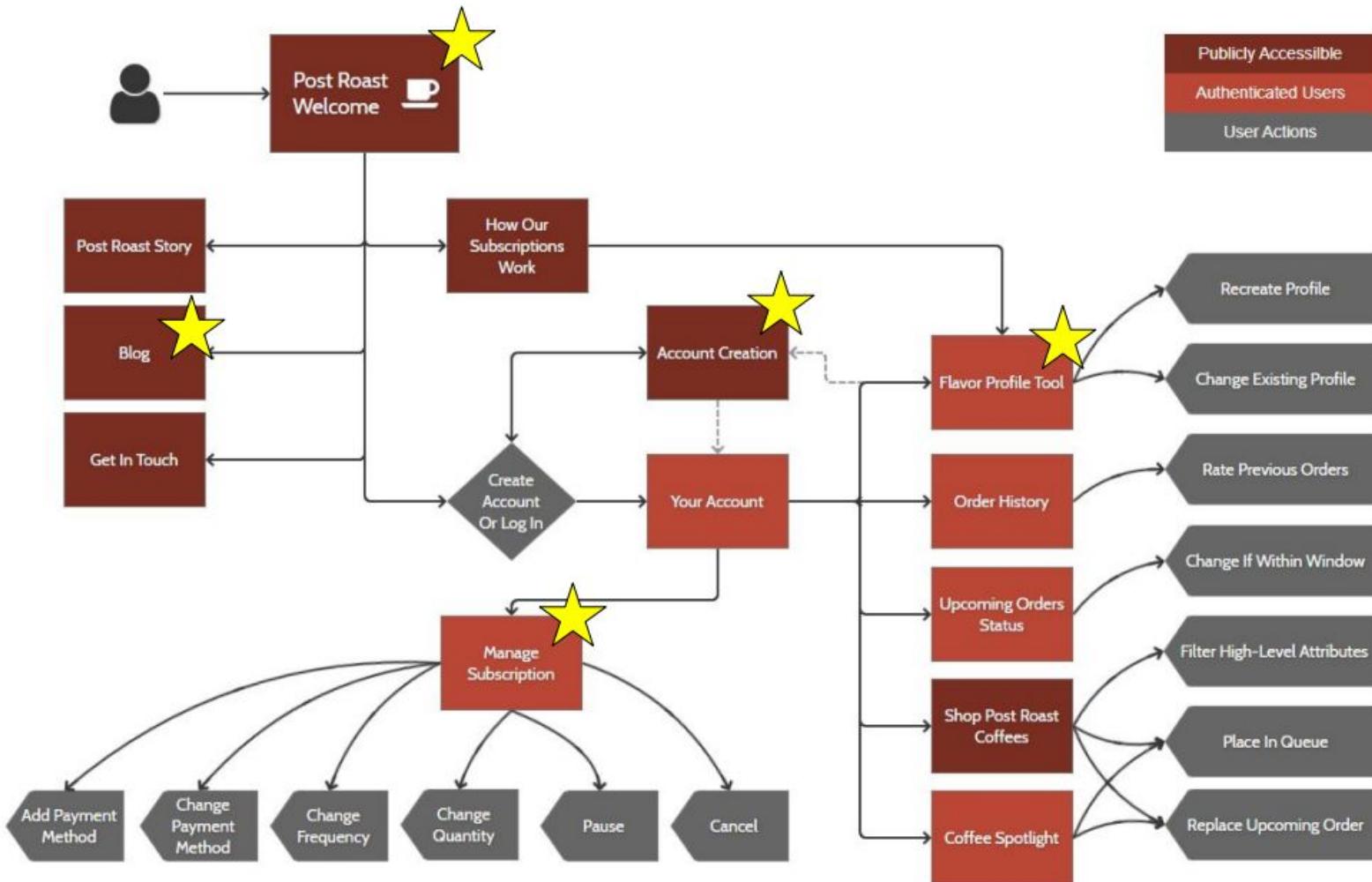
Concept: The concept for this project was to create a responsive website using the Bootstrap framework. This was an implementation of design work done in the Foundations of UX Design course. The website implements selected webpages for the website of a fictional coffee roasting company called Post Roast.

Github Repository: <https://github.com/newanalog/4960-ProjectB>

INITIAL AXURE MOCKUP + LOGO



SITEMAP



FINAL DESKTOP + RESPONSIVE DESIGN USING BOOTSTRAP

The screenshot shows a desktop browser window displaying the 'Post Roast' website. The header features the 'Post Roast' logo in red and white, followed by navigation links: Post Roast Story, Blog, Subscriptions, Contact Us, and Shop. An 'Account' dropdown menu is also present. The main content area has a large, top-down photograph of a person brewing coffee from a coffee bean grinder into a hollowed-out coffee pod. Below this image is a smaller image of coffee beans. A heading 'Coffee, Coffee, Coffee!' is followed by a paragraph of text: 'What better way to wake up in the morning with a delicious cup of coffee? From making your own delicious cup of Joe to a robust coffee with a tasty topping that will get you up and out the door on time, brewing that perfect cup of coffee at home could be just what you need!'. A brown callout box titled 'Post Roast Can Help' contains text about their delivery service: 'At Post Roast coffee we deliver the very best, most fresh roasted coffee beans to your door. We love coffee! Whether it is our Aged Gourmet series, our blends or even our specialty coffees we can provide the freshest coffee available.' At the bottom of the page is a footer with the copyright notice: '© Copyright 2020, Post Roast'.

The screenshot shows a mobile phone displaying the same 'Post Roast' website. The layout is responsive, with the header and main content adapting to the smaller screen. The top-down coffee brewing photograph and the 'Coffee, Coffee, Coffee!' heading are visible. The descriptive text and the brown callout box are also present. The mobile phone's status bar and navigation icons are visible at the bottom.