

# KEVIN KINGSBURY

Selected CIT Course Projects

# DATA VISUALIZATION

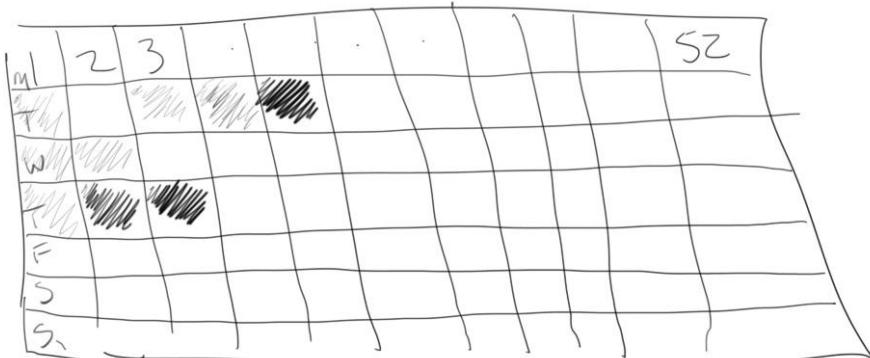
**Project Type:** Data visualization

**Tools Used:** Processing

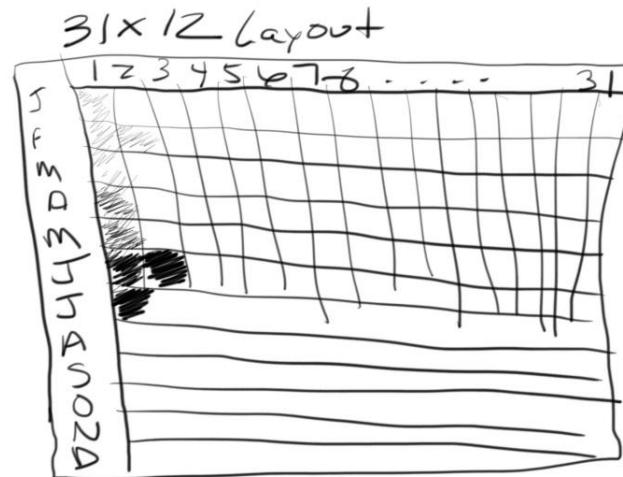
**Concept:** The concept for this project was to create a data visualization by using the Processing language. This was an assignment for the Foundation of Software Design and Development course. I chose to create a heatmap visualization from a small dataset of temperatures collected in Nashville.

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

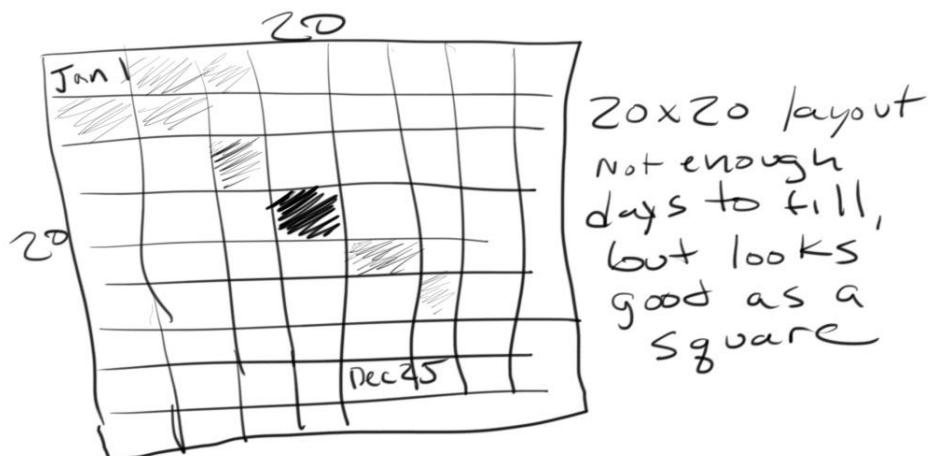
# INITIAL SKETCHES



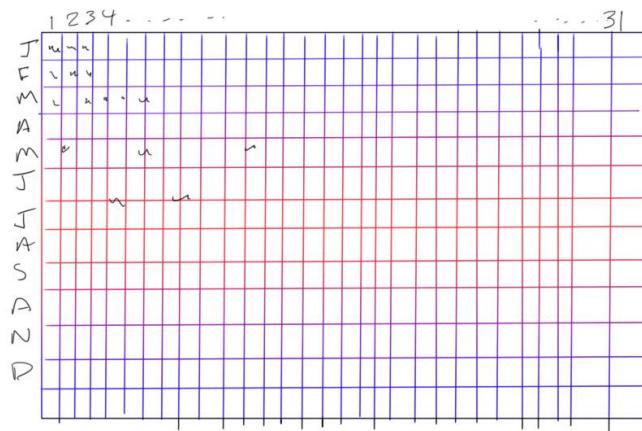
52 Week x 7 day layout  
Maybe too wide



Data points would  
be tall rectangles

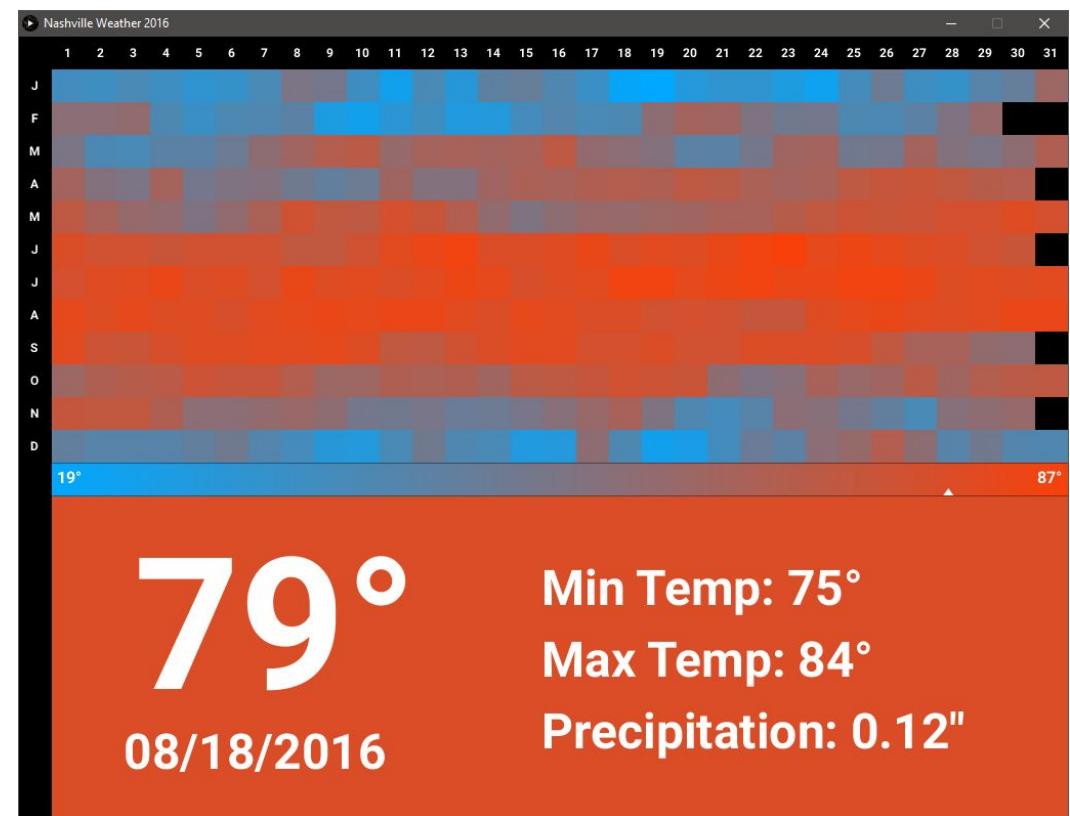
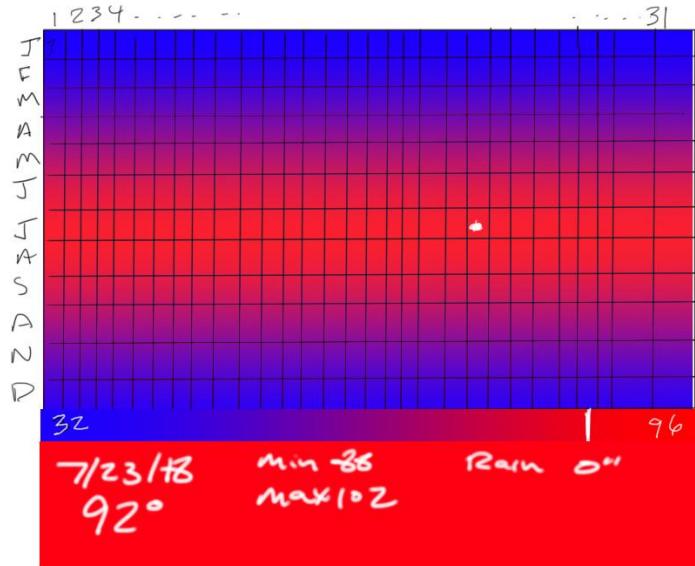


20x20 layout  
Not enough  
days to fill,  
but looks  
good as a  
square



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>

**Live Site:** <http://hungry-yak.surge.sh/>

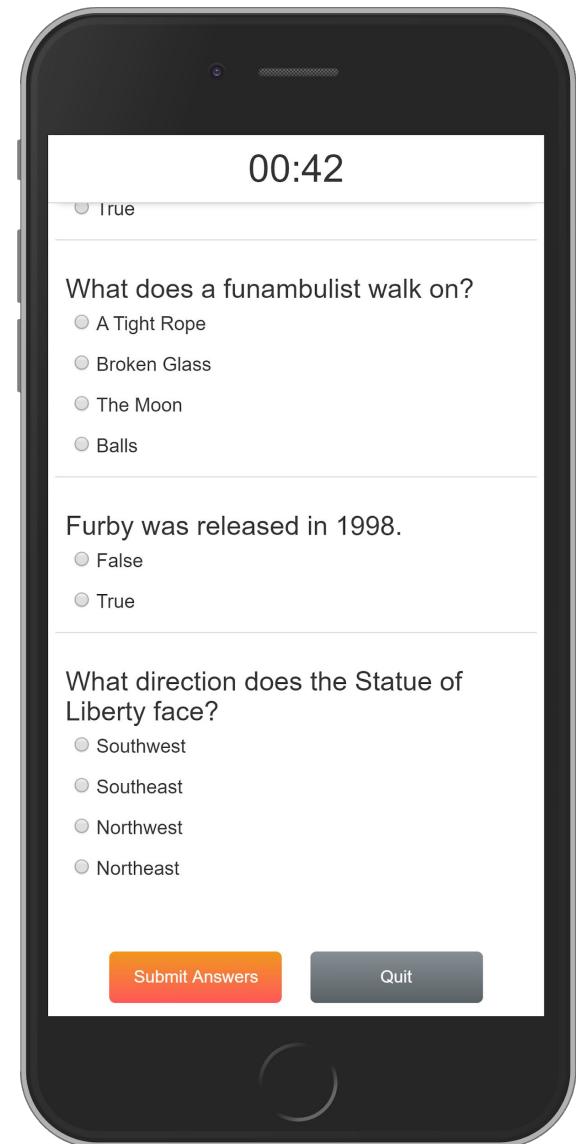
# VS CODE + CHROME DEVTOOLS RESPONSIVE VIEW

```
// declare a service to hold state of this quiz session
let quizService;
// declare a service to hold user quiz results
let statService;
// declare a factory that can dynamically create questions based on type
let factory;
// declare a timer service because we only ever want one timer running
let timerService;

window.onload = function () {
    // instantiate our services and factory after the window loads
    quizService = new QuizService();
    statService = new StatService();
    factory = new QuestionTypeFactory();
    timerService = new TimerService();

    createAppStructure(); // create skeleton of page
    createMenuItems(); // creating start button which has an event to kick thin
};

function createAppStructure() {
```



# 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.

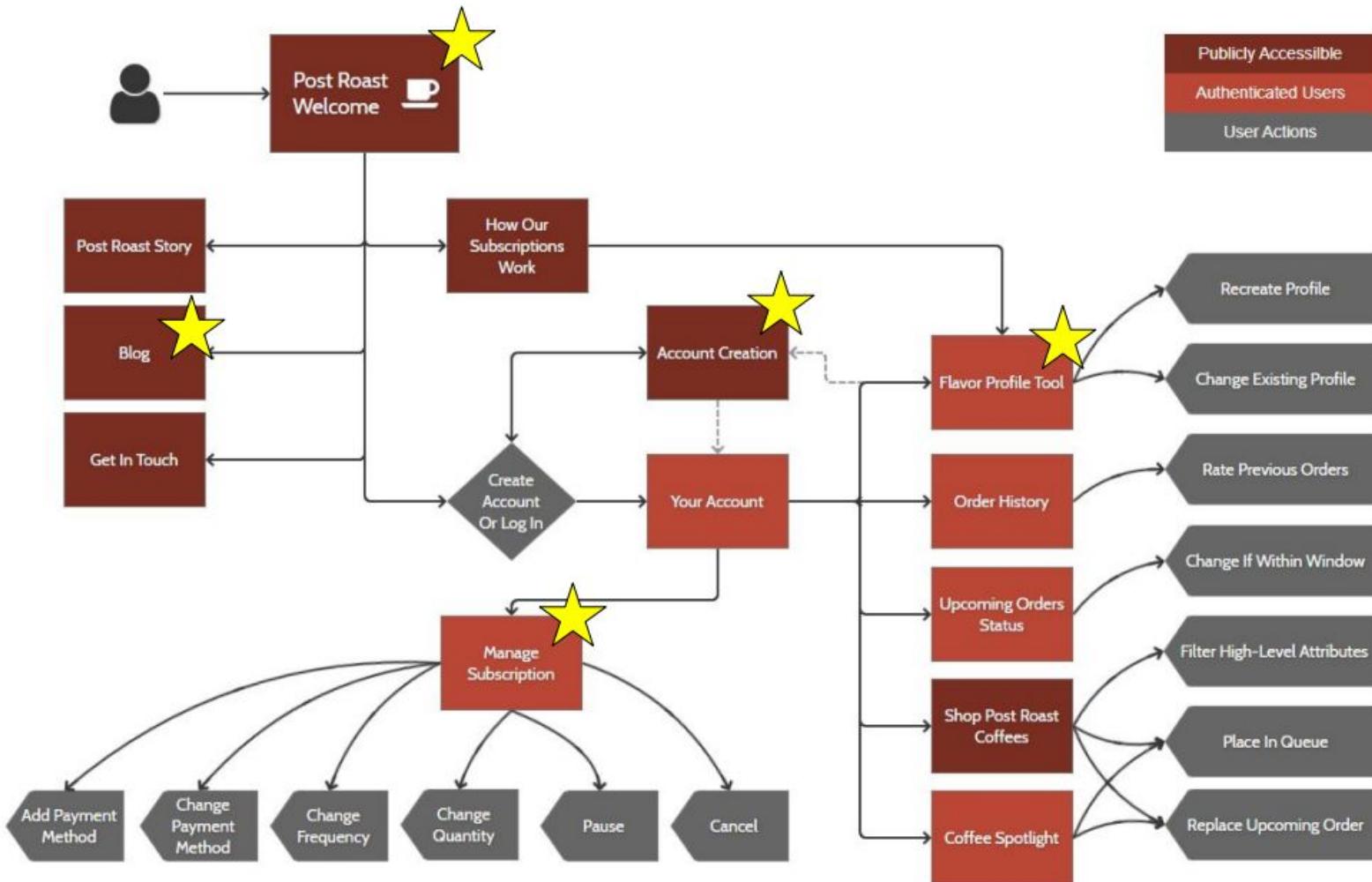
**Github Repository:** <https://github.com/newanalog/4960-ProjectB>

**Live Site:** <http://heavy-van.surge.sh/>

# 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 about the benefits of brewing coffee at home. A brown callout box contains the text 'Post Roast Can Help' and a paragraph about the company's delivery service. To the right of this box is a small image of a cup of coffee on a wooden tray.

Post Roast

Post Roast Story Blog Subscriptions Contact Us Shop Account

Coffee, Coffee, Coffee!

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!

Post Roast Can Help

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.

© 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 is scaled down. The 'Coffee, Coffee, Coffee!' heading and its accompanying paragraph are visible. The brown callout box with the 'Post Roast Can Help' text is also present. The footer 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!' is also visible at the bottom of the screen.

Post Roast

Coffee, Coffee, Coffee!

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!