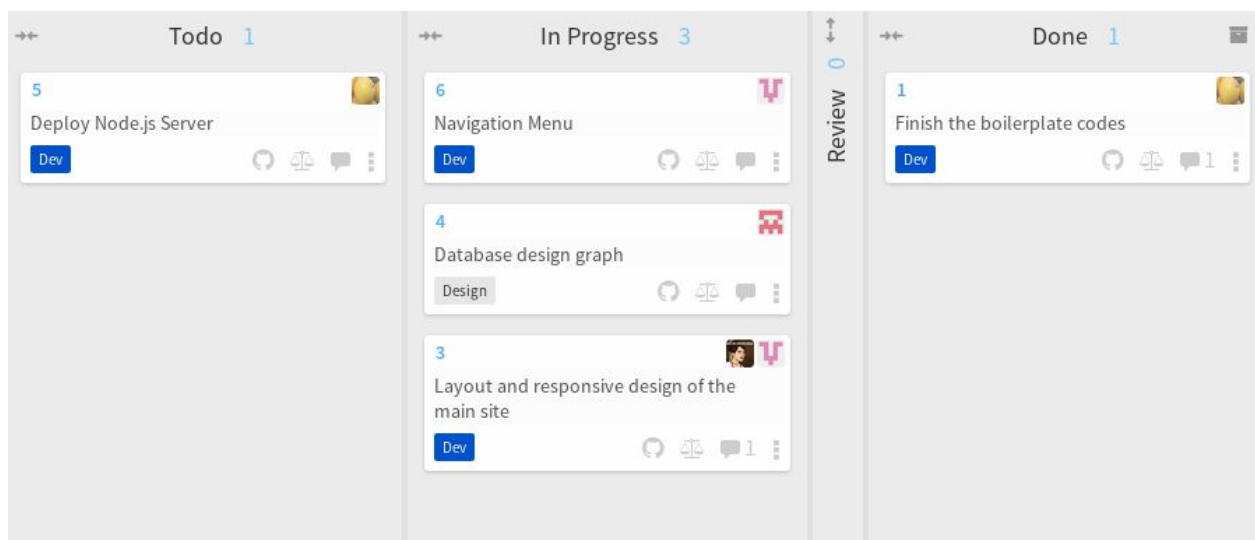


Milestone 2

Project Management tool

We will use Github **issue** and **Waffle.io** as our project management tool. Github issues provides a way to assign tasks to individuals, while Waffle lets us view, create, and modify those issues in a Kanban board.

Plan Cycle within the Project Management Method



Frontend Website Design: Madie, Daniel

- Madie will be responsible for the style and layout.
- Daniel will do more frontend logic through Javascript.

Database: Nolan, Curry

- Design the database schema of our application and let us review it later.

Node.js server: Lesley, Kevin

- Focus on the Node.js server and its communication with frontend and the MySQL database.

Requirements

Functional Features

- Users can submit issues about what need to be fixed. Must contain,
 - a title
 - issue details to show what is wrong
 - the location on map
- Users should be able to comments on existing issues
- Users can see all the issues on the map
- Able to add photos of the issue
- Sign up functionality
 - The organization that uses this app should be able to mass import and synchronize accounts
- Login functionality
 - Only people with an account can report issues.
 - Employee accounts will have the management features.
- Management portal for employees
 - shows number and details of user reports
 - Remove or resolve issues in the employee portal
 - Able to add expected “fix by” timestamp to issues.

Non-functional Features

- Responsive Design (The style of the website should be accessible on all devices)
 - Screens with different size will have different layout
 - We will use the media query of CSS to accomplish this feature
- Single-page application with routing.
 - Response from server will not refresh the whole page.
 - Users do not need to reload the whole page when clicking a link or button, but they can still navigate through address bar and “go back/forward.”

Project Plan

Sprint 1:

- Static website design
- Layout and general design of webpage

Sprint 2:

- Integrating interactive map into webpage

Sprint 3:

- Implementing pin system on map
- Creating titles for different pins.

Sprint 4:

- Adding comments to pins
- Adding Photos to pins
- Adding description and location info to pins

Sprint 5:

- Creating user accounts
- Creating employee accounts

Agile Scrum

We met on Sunday March 11th at 2 pm to have this meeting all members were present. The following is what we discussed.

1. What have you completed since the last meeting
 - Kevin: "I have worked on creating out 'sprints' and general timeline for the project"
 - Madie: "I worked on a couple test web pages for general layout and linkage."
 - Lesley: "I worked on the project management tool waffle and milestone 2. Also, I am learning Node.js through edx platform."
 - Nolan: "I worked on completing the database EDR and got input on what useful attributes I can add to the diagram."
 - Daniel: "I've been researching extensively on JavaScript in preparation for writing the front end JS code of our app."
 - Curry: "I start to learn MySQL and the designing of database"
2. What will you complete before the next meeting
 - Kevin: "I will attempt to have a greater understanding of all the tools we are using for our project as well as get a hold on the organization of our repo"
 - Maddie: "I will try to have more page layouts drawn out, and begin to work with Daniel to implement the pages."
 - Lesley: "I will start building a Node.js server based on our test server."
 - Nolan: "I will try to learn the technical details of what I need to learn before I can fully complete the database."
 - Daniel: "I will be prepared for the front end development and I will have started coding."
 - Curry: "I will learn more MySQL and start to coordinate with Nolan about the Database design."
3. Describe any obstacles or roadblocks you face.
 - Kevin: "My biggest challenge will be learning all the tools and different languages we are incorporating into our project"

- Madie: "My biggest challenge might be time management; to find time to learn and implement the tools I need to accomplish my part of the project."
- Lesley: "The biggest challenge I met so far is the communication with team members."
- Nolan: "The biggest challenge I will face is understanding all of the server side code already on the github and creating the database in a way that all works for all members needs."
- Daniel: "For me, the greatest challenge is the lack of knowledge I possess in the tools I will need."
- Curry: "I find learning a lot of new tools at once overwhelming."

Sprint Retrospective

Upon reflection of our first sprint where we laid out our static website we feel that there are some things that went well and some things that could use improvement. We felt that we gained a greater understanding of how to use git to merge files together. We also learned how to combine one persons CSS code with another's formatting code with another's html file. It was cool to be able to see all this come together to form a website. We feel there are a few things we need to work on as well. The main one being communication between team members. We need to communicate what a new tool is before we start using it so that all member understand it. We need to stick to our meeting times and be actively checking our group messages so we are all up to date. We also need to have a better understanding of where our place on the team is and what our individual strengths are so that we can all contribute.