Boulder Nature Guides

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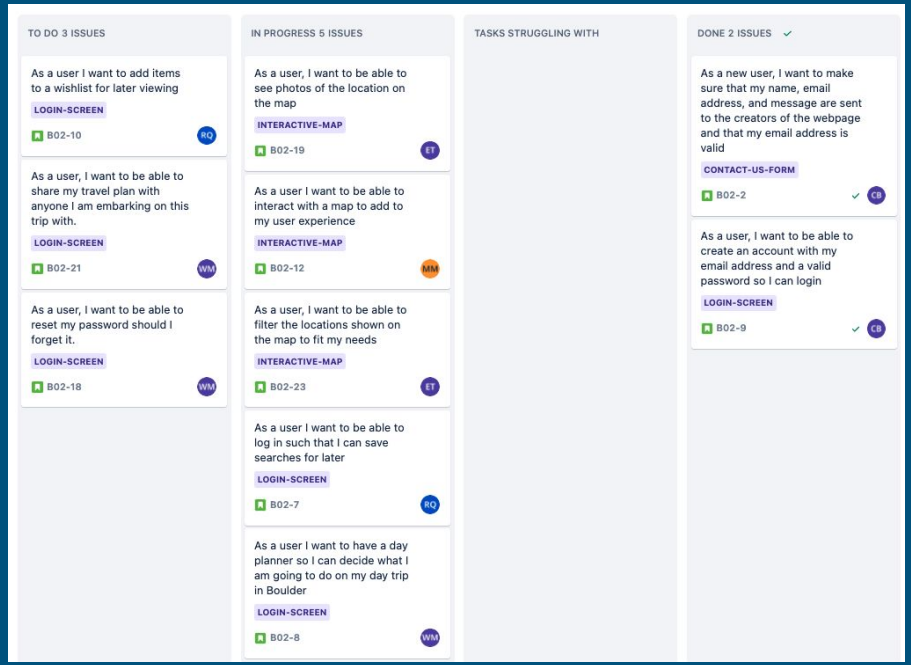
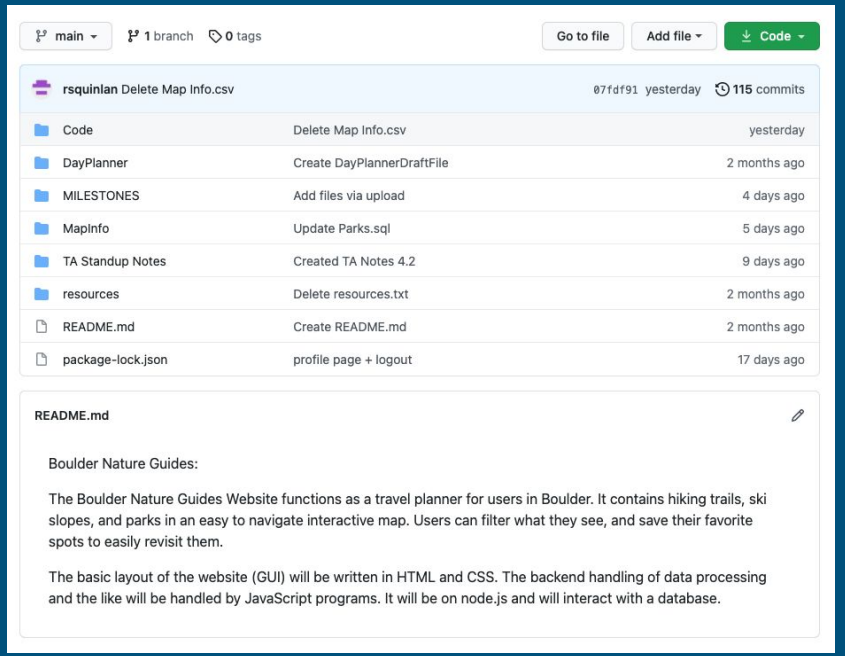
Jira Agile Board: 4 Stars

- KanBan Board
- Agile project management tool designed to help visualize work
- Organizes sprints, user stories and epics in detail
- Updated at end of weekly meetings



Github: 5 Stars

- Online code repository
- Stored all aspects of project including code, milestones, relevant notes, etc.



MySQL: 5 Stars

- Database manager storing information related to the interactive map, sign up page, login page and profile page
- Intuitive language that had an easy learning curve
- Integrated well with Node.js

Node.js: 4 Stars

- Server side language used for communication between the webpage and the database
- Steep learning curve
  - Integrating node.js with the map API was challenging
- Effective in the end

Heroku: 3 Stars

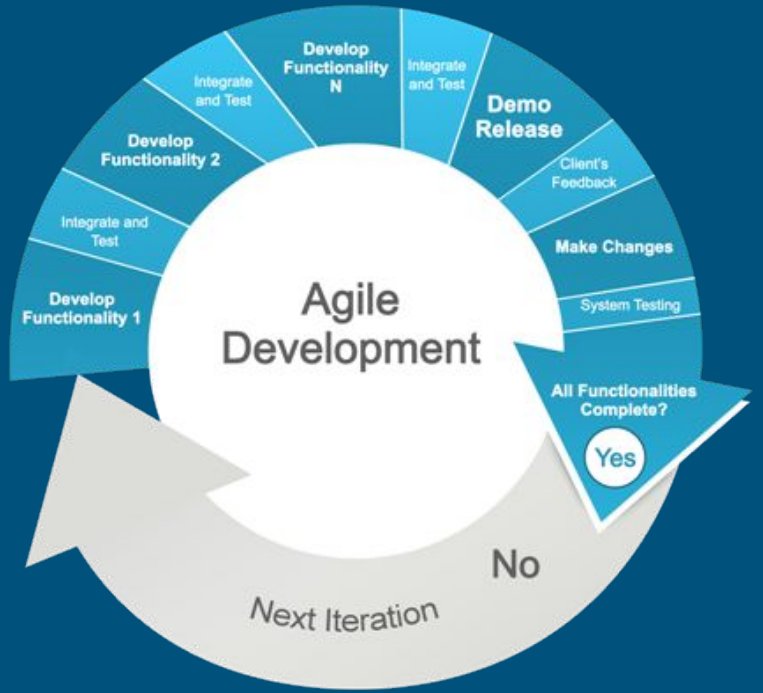
- Platform as a Service (PaaS)
- Used to run our application remotely
- We ran into challenges with using this platform, so for the purposes of this presentation we are not using Heroku
- GitHub Integration is very useful
- Difficult to set up DB Integration with Postgresql since we wrote code in MySQL

VSCode: 5 Stars

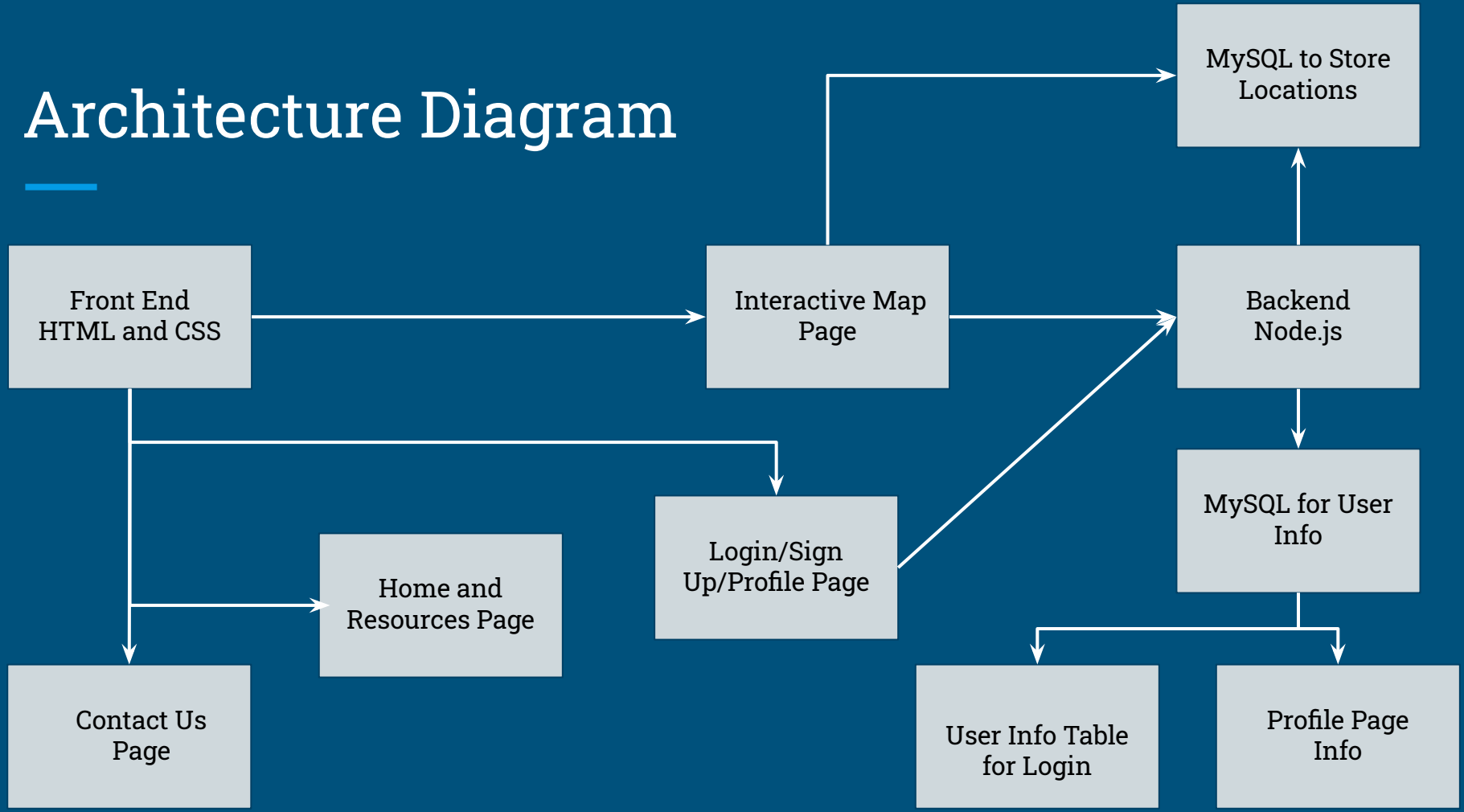
- Code editor used by majority of team members
- Proved useful for debugging
  - Easy to point out errors
- Easy GitHub integration

Methodology - Agile

- Jira software used for organization
- Weekly meetings acted as scrums
- 2 week sprints focused on particular pages of the website
- Preferable to Waterfall methodology



Architecture Diagram



Challenges Encountered

- Heroku hosting
  - Map not rendering properly
  - Login/Registration page insert query is not working properly
  - Routing to auth.js is not working yet
  - Able to host the site locally but will need to resolve the issues with routing and get app.js working with postgresql in the future