

Injury Analysis

Team COAL - Daniel Chiu, Will Ostlund, Shaeq Ahmed, Kenneth Li

Project Manager: Shaeq Ahmed

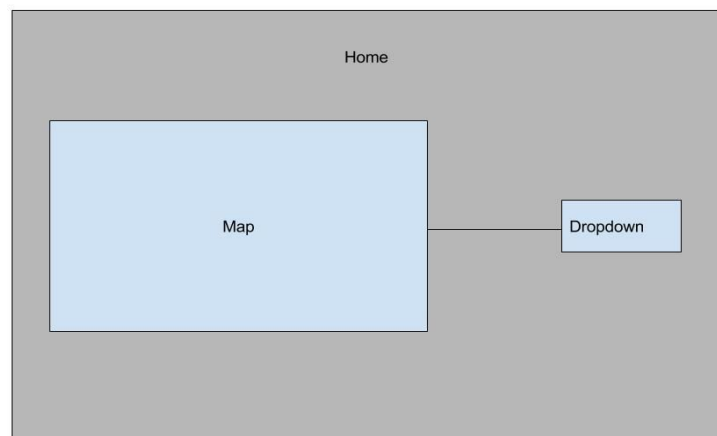
Softdev Period 6 - Data Analysis Project

COMPONENTS

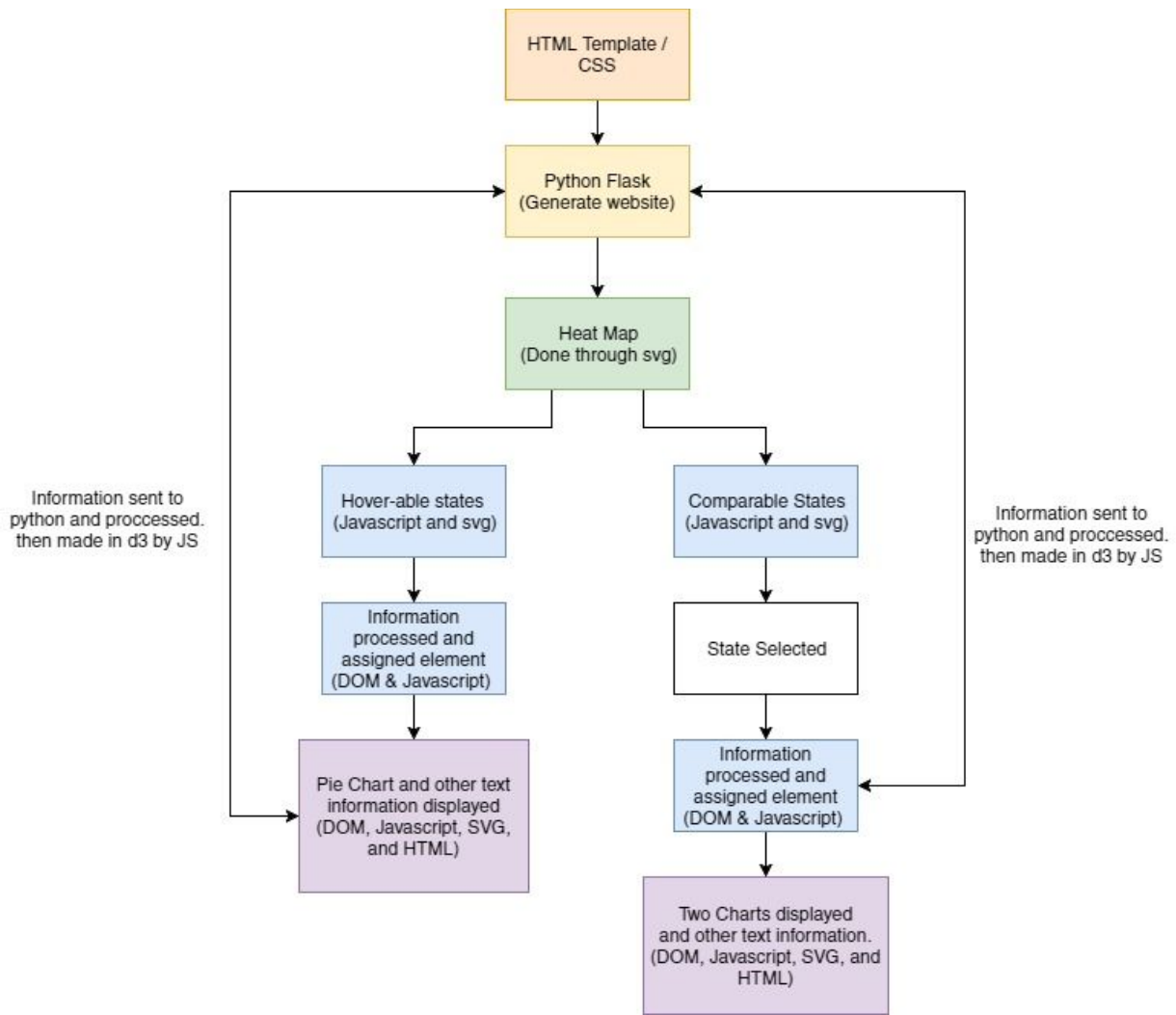
- Client side
 - Heat Map (using SVG)
 - US map with different levels of color intensity for each state
 - Variable corresponding to color intensity can be selected from dropdown
 - Number of injuries per 10 million people
 - Average days of leave for injury
 - Hoverable states
 - Hovering mouse over each state will display basic information about the state
 - Compare states
 - Click on two states to compare distribution of injuries across industries within the states in donut charts
- Server side
 - Flask app with five routes
 - GET / renders the main page
 - POST /data/... provides endpoints for data retrieval
 - Injuries dataset/Python file provided by CORGIS
 - Population data from US Census

SITE MAP

Site Map



COMPONENT MAP



TASK DELEGATION

Daniel Chiu - CSS styling / HTML template
Shaeq Ahmed - Visual JS
Will Ostlund - Python data aggregation / Flask
Kenneth Li - D3 / Data processing JS

TIMELINE

- 03-30
 - Working heat map
 - HTML template finished

- Python Flask finished
- 03-31
 - Hoverable states working
 - Data retrieval working (get required information)
 - HTML for graphs finished
- 04-01
 - D3 implementation finished (data binding)
 - Data visualizations finished
 - Finish CSS styling
- 04-02
 - Debugging