Team: Team 8 (Bill Progress)

Members:

* Joseph Maxwell
* Marcus Benesch

Project Plan

1. Introduction
   1. The “Bill Progress” project is to develop a web-application that pulls and parses data from the local government website. It then provides a layman understandable version of the collected data. As a stretch goal, the collected data should be automatically updated from the government website and used to form predictions on a timeline for future action on bills.
2. Project Organization
   1. At the moment, there are only two team members, Joseph and Marcus are working together. Marcus has experience in front-end web development and that will be his primary focus initially. Joseph has prior experience with database management and will try to build the back-end for the web-application Once done with the front-end Marcus will assist in getting the back-end complete and ensure that the data is usable on the front. Joseph will primarily focus on developing the back-end and once a static back-end database is complete will work on developing a method to automatically update the database and parse through the database.
3. Risk Analysis
   1. Technology Risks
      1. Database tools are still undecided and unclear
   2. Organizational Risks
      1. Currently the Team is ad hoc in design. Neither team member has a full understanding on the difficulty of all the tasks and may often request help from the other.
   3. Requirement Risks
      1. Front-end is being developed in .vue and javascript, this limits the tools available on the back-end and additional issues due to dependencies would delay progress.
   4. Estimation Risks
      1. Current estimate are that by milestone 1 the front-end is complete with a mock data base presented. Milestone 2 has a static database build and attached. Milestone 3 has the database automatically updating. Milestone 4 has additional parsing of the database and custom features. Should the creation of the database be delayed, there will be less time to build auto-updating into the database and features.
4. Hardware and Software Resources Requirements
   1. Hardware: Server host for website and database
   2. Software: Database tools, webserver
5. Work Breakdown Structure(WBS)
6. Project Schedule
   1. milestone 1 the front-end is complete with a mock data base presented.
   2. Milestone 2 has a static database build and attached.
   3. Milestone 3 has the database automatically updating.
   4. Milestone 4 has additional parsing of the database and custom features.
7. Monitoring and Reporting Mechanisms
   1. Github provides insight for activities done by each member. Alongside the built in analytics, when a member pushes an update to the github, it is required that they provide a name and description to the commit. Communication between member will primarily occur through discord which keeps a text log of all conversations.