Progress Report 1

Decision Table Editor

ECSE 458 D1/D2: Capstone Project

Fall 2023 / Winter 2024

Group 50

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Meetings

- ➔ Monday September 18th 2023 - (Zoom)
  - ◆ Discussed and completed Project Proposal
- ➔ Thursday September 21st 2023 - with Project Advisors (Google Meets)
  - ◆ Meeting with project advisors to discuss preparations for the first sprint
- ➔ Wednesday September 27th 2023 - (Zoom)
  - ◆ Allocation of backlog (user stories) and feature files
- ➔ Tuesday October 3rd 2023 (In-Person)
  - ◆ Meeting to setup the dependencies, environments, software and tools
  - ◆ Completed Project Preparation Document
- ➔ Tuesday October 17 2023 (In-Person)
  - ◆ Meeting to complete progress report 1
  - ◆ Planning and distributing tasks for Sprint 1 (current sprint)

Recent Progress

In terms of recent progress, the initial sprint (Sprint 0) was mostly dedicated to research and preparation where we spent the majority of time exploring the different options of platforms that would support our application. We needed to weigh potential options for libraries as well since our code was to be written solely in Python. We came across a library called PyWebIO which offers a lot of support when it comes to Python for the web which is what we are going to be using for our project. The library has a very active community and offers promising results. In this initial sprint, we also came up with a sprint structure plan and preparation backlog including user stories that were distributed among the project sprints as well as the initial feature files that we wish to test with for this project. In addition, the GitHub repository was set up and cloned to each member's local device. Lastly, the majority of the details pertaining to this project can be found in a document we created titled Project Preparation. This includes how our team will coordinate, the tools necessary to complete the project, a done checklist and how the project will be tracked.

Future Plans

By the time our next progress report is due, we would have completed Sprint 1 and have begun our work on Sprint 2. The work remaining In the current sprint (Sprint 1) is to develop the basic “Create” functions for our decision table including: “Create Decision Table”, “Create Action”, “Create Condition” and “Add Rule” which correspond to user stories 1.1, 2.1, 3.1 and 4.1 respectively. These four tasks have been distributed among our group members and our objective is to have them completed by the next sprint deadline which is on Wednesday, October 25th. At this point in the project, our group would have met the project advisors and discussed our plans for sprint 2. The current plans for sprint 2 which have been modified from our initial plan (Sprint 0) based on the feedback provided from our advisors and our team discussions. Initially, we intended to focus the entirety of the sprint on developing CRUD for the decision tables which correspond to user stories 1.2, 1.3, 1.4, 1.5, 1.6 and 1.7. However, it was collectively determined that the best plan of action would be to slice our tasks equally or more fairly which enables us to build out a bit of each function/object category in each sprint. As a result, the current forecast for sprint 2 is composed of user stories 1.2, 1.3, 2.2, 3.2, 4.2, 5.2 which covers at least one aspect of each category (1.0-Decision Table, 2.0-Conditions, 3.0-Actions, 4.0-Rules, 5.0-Logic Reduction).

Lifelong Learning

One potential gap could be familiarity with some of the libraries and tools such as PyWebIO and E2GRULEWRITER. This means that more time will have to be put in to gain more knowledge about these by doing more research. Another potential gap in knowledge could be with the variance of experience with web development among our group members. Some of us are more versed with this sort of development while some others are a little bit less in this field therefore some knowledge sharing might need to take place. Additionally, none of us had experience with using decision tables before the start of this project, so we took time to familiarize ourselves with the concept to make sure we understood the needs. A soft skill that will be essential for the smooth delivery of this project is maintaining a high level of organization and communication from all group members which can be worked on and improved as the project moves forward. Lastly, despite some of the apparent knowledge gaps, the group feels confident in completing all the required work efficiently, accurately and promptly.

Since meeting with our project advisors, we have gained a better sense for the amount of preparation necessary for this project. For our project, we are utilizing the scrum approach to split up our tasks into different sprints. Our advisors have taught us what it means to deliver a meaningful program that works at the end of every sprint, which is a valuable skill that we can take with us into our careers. Furthermore, this preparatory phase has allowed our team to brainstorm various ideas and cater a design and implementation catered to our individual strengths and skills. It is always important to note that our teammates come from a diverse background of skills and experience and a strong team knows how to use this to its advantage.