

Progress Report 3

Decision Table Editor

ECSE 458 D1/D2: Capstone Project

Fall 2023 / Winter 2024

Group 50

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Meetings

→ Tuesday November 7th 2023 - (In-Person)

- ◆ Complete Sprint 1 fixes
- ◆ Delegate Sprint 2 tasks

→ Tuesday November 14th 2023 (Hybrid)

- ◆ Meeting to complete progress report 2
- ◆ Planning and distributing tasks for Sprint 3

Recent progress

This progress report coincides with the completion of our second sprint. This sprint was split between fixing some user issues from the first sprint while planning to continue implementing more user stories in order to provide a meaningful deliverable. We fixed the layout of the decision table, including “dont cares” into our True/False and some renaming of the prompts. Additionally we added numeric options to conditions and actions including decimal, range and integer types. Furthermore, we made it possible to save the decision table onto the desktop and will implement restoring this saved file in a future sprint. Lastly, we made our application available as an executable to allow users the ability to download the application rather than running code in the terminal/command line interface.

Future plans

Before the next project report, we will have completed the third sprint for this project. The tasks to be completed in this sprint will be decided in the next grooming session following the feedback of the previous sprint. Ahead of this session, we plan to introduce the restoring of the saved decision table to be edited in a future instance. Additionally, we plan to introduce string types to the conditions and actions.

Ethics and Equity

Did you encounter any ethical dilemmas during this project or dilemmas related to equity? If so, how did you deal with them? If not, identify some possible issues that one may encounter in engineering projects in general. At this stage of our project, we have not encountered any ethical dilemmas related to equity since we are constructing a software application intended to be available and advantageous to any type of user meaning to facilitate a decision process.

Even so, we acknowledge that in engineering projects, ethical and equity considerations are critical. There can be challenges of ensuring that projects do not disproportionately affect certain communities, especially marginalized or vulnerable groups. This includes considering the environmental impact, as projects might pollute or degrade the living conditions in nearby areas, often inhabited by less affluent communities. Such scenarios raise questions of environmental justice and the equitable distribution of risks and benefits.

Furthermore, there's the matter of data privacy and security, especially in projects involving digital technologies. Engineers must navigate the fine line between innovation and the ethical use of data, ensuring that personal information is protected and not exploited. Additionally, engineering projects often encounter challenges related to cultural sensitivity and respecting local norms and practices. Without careful consideration, projects can inadvertently impose values or solutions that are inappropriate or unwelcome in different cultural contexts.