

ITR3 Planning Document

Updated Plan

- From ITR2 we completed the integration of the database and through ITR3 we refactored many features to work better with the database
- We also plan to implement many unimplemented features in ITR3

User Stories (Cost estimates include refactoring)

1. User needs to store and view tasks.

A. Users can retrieve tasks upon signing in

- Database integration allows for tasks to be stored and placed into the to-do list after signing in to a new session.
- Cost estimate is roughly 3 hours as it requires refactoring

B. Users can view completed tasks

- Once tasks are completed, they cannot be unchecked, that way users do not accidentally uncheck tasks
- Cost estimate is roughly 0.5 hours as it is a simple change

2. Users need to make their study sessions more productive.

A. Users feel motivated to study

- Changing score can change the rank of the user and changes the GUI's aesthetic based on the rank
- Cost estimate is roughly 1 hour as it requires some changes to several methods and some additions to the ScoreCounter class

B. Users want to track their productivity during a session

- Displays score over time in minute intervals in a line graph style chart over the course of a session
- Cost estimate is roughly 3 hours due to a full GUI implementation along with refactoring the ScoreCounter to properly work

C. User wants to be more focused during a session

- Lo-fi music can be played using a built-in music player with a GUI and the ability to pause and play
- Cost estimate is roughly 1.5 hours due to a GUI implementation and some rounds of refactoring

3. User requires due dates in an organized manner.

A. User requires a more exact time

- Due dates can now be specified even to the hour and minute of the day
- Cost estimate is roughly 1 hour as new fields need to work and properly display the time

B. User needs to be know if due dates are passed

- Tasks that have gone past the due date are now highlighted in red
- Cost estimate is less than 0.5 hours as it is a simple GUI change

Developer Stories

1. ScoreCounter

- Score did not update in the database with the current version, so refactoring is needed to allow for the ID of the user to be usable in the ScoreCounter class so that it can be inserted into the database

2. To-Do List

- When opening a new session, tasks are not displayed due to not being stored in the database so refactoring to the task methods and database is needed to include all parameters for each task to be stored in the database

3. DueDates

- Due dates do not feel impactful enough so refactoring is required to make the GUI show the ramifications of not finishing a task in time along with being more specific

4. Notes

- Notes cannot be retrieved from the database and displayed so refactoring is needed to properly retrieve the notes in proceeding sessions