Sprint 2 planning

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1. Goals for the next Sprint

   The goal for Sprint 2 is to make a functional, yet basic, study planner application. The aim is to finish the database and UI/UX design, and to connect them. The user can integrate their schedule into the study planner, add assignments and exams in the schedule, and remove any unnecessary items. Sprint 2 will include unit testing.

2. Tasks and responsibilities

    1. Database structure (Veera)

       The creation of the database schema is already in progress. The decision about the table relations, variables we want to save, and their respective datatypes need to be finalized. After the structure plan is finished it should be executed using MariaDB. A user should also be created for future usage of the database. The user should have necessary permissions, such as ability to read, write, update and delete data within relevant tables.

       Estimated time: 2 hours

    2. UI/UX design (Hilda)

       The creation of a user interface utilizing Scene Builder. User interface should be intuitive and accessible to use. The user interface will be developed further as needed.

       Estimated time: 5-7 hours

    3. Unit testing (Hilda)

       Unit testing will be implemented in the project during Sprint 2. JUnit will be utilized in creating necessary tests to ensure the application works as intended.

       Estimated time: 2-4 hours

4. Back-end and front-end development (Hilda & Veera)

   Implementation of the back-end. Creation of necessary data models, crud operations and functioning user interface. Integrate back-end with the MariaDB database. Connect the JavaFX front-end to the back-end.

   Estimated time: 10-12 hours

5. Database connection (Veera)

   Creation of database connection to allow the application to interact with the database. Writing necessary SQL queries for retrieving, updating and deleting data related to the study planner. Implementing error handling to ensure that the application can gracefully handle issues related to database operations.

   Estimated time: 2-5 hours