Feb 22-28 Weekly Meeting Notes

Vijay Raja

**Total hours worked: 5 hours**

**Week: Feb 22-Feb 28**

**Tasks completed:**

* I worked on researching and testing the different open-source recommendation systems based on collaborative filtering, content-based filtering, and hybrid models, including Scikit-Surprise, LightFM, LensKit, and RecBole.
* Decided on LightFM for implementation after further testing and seeing its use with both multi-user preferences and recommendations based on similar attributes
* Started working on implementation by working on datasets and seeing how to integrate them into stock and sports data sources

**Tasks for next week:**

* Evaluate performance with real-world data for implementation in backend
* Look into LLM APIs and start testing and implementing

Aisha Qureshi

**Total hours worked: 3 hours**

**Week: Feb 22-Feb 28**

**Tasks completed:**

* Completed setting up my tools to start development
* wrapping up research on implementation
* Met with the team to get a clearer vision of product scope

**Tasks for next week:**

* Will wrap up designing backend
* Will start the initial stage of development

Unaisa Aslam

**Total hours worked: 3.5-4**

**Week: Feb 22- Feb 28**

**Tasks completed:**

* My main focus was to improve the UI/UX. I have researched various UI/UX designs and wanted to add functions.
* I have implemented a prototype for the dark mode toggle button.

**Bullet points about the tasks they have worked on.**

* Applied CSS styling.
* Tested functionality.
* Ensured the placement of the button properly in the navigation bar.

**Tasks for next week:**

* Continuing the research for adding more functions and planning on how to expand the functions have been implemented already to the entire app.
* The dark mode that I have implemented for the front page I want to expand to the entire app.

Aamir Mohammed

**Total hours worked: 3 hours**

**Week: Feb 22 - Feb 28**

**Team Leader: Aidan**

* Worked on Front End of the website after Aidan developed large amounts of the framework and Unaisa researched into more functionality that can be developed
* Did research into React and how the styling can look like with the other aspects of the project
* Worked with other members on the front end to discuss our steps in the week and communicated about what looks good and how to proceed.

Next Week:

* Will continue working on the front end and make decisions on how it will look like in accordance to project specifications.
* Start implementing proper CSS styling to make sure the application looks good visually
* Will continue researching and learning aspects of the front end along with making sure to help others who may need help

Brandon Maweu

**Total hours worked:**

**Week: Feb 22 - Feb 28**

**Accomplishments:**

* **Database Design & Normalization**
  + Set up the database schema for our application.
  + Normalized tables to ensure efficiency and avoid redundancy.
  + Brainstormed additional tables needed for our application.
* **Backend Development**
  + Implemented database connections in our backend application.
  + Started working on core classes to represent tables (e.g., User, Widget, Widget\_Interest).
  + Added CREATE TABLE SQL queries to our repository.
  + Began implementing basic CRUD functionalities.
* **Research & Planning**
  + Researched and collected various APIs to integrate into our widget application.
  + Designed and documented a use-case diagram for the application.

**Next Steps:**

* Complete CRUD operations for all essential tables.
* Finalize API integration with the backend.
* Refine the database schema based on initial testing.
* Begin frontend integration with the backend services.

Aidan Turgut

**Week: Feb 22 – Feb 28**

**Total hours worked: 5-6**

**Accomplishments:**

* **UI designs** 
  + I designed the main page, welcome page, and a few other pages using Figma
  + Mapped out where/what some buttons in the Figma designs will take/show the user.
* **Frontend Development**
  + Began front end development with html, CSS, and some JavaScript using VS Code IDE
  + Created the main.html file for the main page of our web application, the welcome page that the user will see when he/she first goes to the web application and doesn’t have an account
  + Also started developing the skeleton of the sports and music pages in html
* **Research and Planning** 
  + Planning was mainly done by making UI designs in Figma and discussions with Unaisa and Aamir
  + Used the internet (with sites such as W3 schools) to learn how to do/make different things in html
* **Next steps**
  + Finish up the html pages for all pages that’ll be used for our web application
  + Start developing the UI for the mobile version of the app using React