**Weekly Report**

**Member: Brandon Maweu**

**Total Hours Worked:** 11

**Accomplishments:**

**Backend Development**  
• Implemented JWT token generation to securely sign and verify tokens.  
• Added role verification to ensure users have proper permissions based on their roles.  
• Developed an authentication service that checks for valid bearer/JWT tokens before granting access.

• Encrypted passwords on the backend for new user registrations to enhance security.

• Enhance error handling and logging for authentication processes.

**Team Support**  
• Assisted team members in setting up their development environments, including configuration and dependency management.

**User Verification**  
• Integrated verifications during the registration process to prevent duplicate user creation.  
• Implemented checks during login to confirm that the user exists and is authenticated properly.

**Next Steps:**  
• Enhance error handling and logging for authentication processes.  
• Explore multi-factor authentication options to further secure user accounts.  
• Optimize the user experience on both the frontend and backend by refining error messages and feedback mechanisms.

**Member:** Aamir

**Total Hours Worked: 6**

**This Week:**

Continuing to update Sports page functionality

Working on Implementing multiple pages for each sports types (Basketball, Football, Baseball)

Working to implement API’s so that actual data is getting displayed properly. (Couldn’t get it working so far)

Worked with backend team to get backend database working on personal devices to make sure frontend aspects can work with the backend properly

**Next Week:**

Work more to get API’s working on the page to showcase actual data

Work with Vijay on the sports page to get the AI implementation working

Continue finishing working functionality of the sports page as I still have to get it working properly

**Member**: Unaisa

**Total Hours Worked**: 8

**Task Completed**:

Converted MusicHub.js to MusicHub.jsx and improved JSX structure.

Debugged React issues, including package.json errors and setup fixes.

Improved UI styling in MusicHub.css to enhance layout consistency.

Reviewed App.js and ensured seamless integration of MusicHub.jsx.

Researched and integrated Last.fm API.

Debugged API response & handled errors.

**Tasks for next week:**

Refine UI further based on feedback from the team.

Add image integration to MusicHub.jsx (album covers, artist photos).

Implement dynamic recommendations using user input for personalized AI suggestions

Improve API handling for search-based recommendations (using Last.fm API).

**Member:** Vijay

**Total Hours Worked:** 10

**Tasks completed:**

Made a middle level python script that makes API calls to the music recommender from front end. Started on a JavaScript file to handle API requests from the frontend Worked on the same middle layer python script for stocks to make api calls.

**Tasks for next week:**

Finish up implementation into the backend. Help with front end on sports to output video of certain sports clips.

**Member: Aidan**

**Total Hours Worked: 7**

**Tasks completed:**

* Added some minor things and improvements to my stock page
* Completely redid and improved the welcome page of our application
* Began working on the intermediate code (between front end and back end) with express js and started making routes and methods (post, get, etc.)
* Got help from Brandon for accessing his database on my computer with pg admin
* Successfully connected to Brandon’s widgetapp database from my index.js file
* Helped Vijay get our project on and running on his computer

**Tasks for next week**

* Work with Brandon to integrate his stock backend work and apis to my stocks page and start showing real stock information on that page
* Work with either Brandon or Vijay on integrating the backend team’s ai api to my stocks page
  + Do it through the intermediate code
* Make SQL querying for account information work on Brandon’s database
* Finish or do a significant portion of the intermediate code and get it working
* Do some more fine tuning on my page(s) if needed

**Member: Aisha**

**Total Hours Worked: (12 Hours)**

* Researched on how intergation will work for Java and react
* Reviewed backend APIs (/api/users, /api/stocks, /api/music, /api/sports) to understand expected inputs/outputs.
* Built a refined integration reference table mapping all API endpoints to their corresponding frontend components for all team members to reference along the way
* started running into issues with maven so now so ive cloned the repo in vs code instead of intelliJ.

**Tasks for Next week:**

* Beginning integration of frontend pages (starting with login → dashboard).
* Implement wrapper method that accepts dynamic input and routes API calls to backend logic.
* Hashmap to map each API endpoint with frontend
* Plan to expose these endpoints to the frontend through React components using axios