Weekly Notes (April 5 – 11)

Team Member: Vijay
Total Hours Worked: 12
Tasks completed:
- Made a middle-level Python script that makes API calls to the Sports recommender from front end.
- Worked with Aamir on the SportsHub/Score JavaScript file to handle API requests from the frontend
- Fully implemented video clips
- Fully implemented News Articles related to teams/individual players
- Got SportsDataIO API implemented for Recent/Upcoming Games

Tasks for next week:
Finish up implementation for Stocks and Music.

Team Member: Aidan Turgut
Total Hours Worked: 12
Tasks completed:
- Finally got actual stock data to be used and visible on my stocks page with a free API I found from Alpha Advantage
- Added an extra page for the Stocks section for more stocks news
- Made the Hours, Days, Weeks, Year tabs functional and deliver real data
- Added methods for deleting, editing, and getting data from our WidgetApp database using Express JS
- Added a backend folder in the AidanFrontEnd branch
- Talked to my team on Thursday about how we plan to work together and put all of our work together
- Fine tuned some jsx pages
- Updated the tasks that I completed and have left in the Projects tab of GitHub
- Got all my files shared on the AidanFrontEnd branch of our GitHub repository (with the help of Git on VS Code)
- I learned the basic concepts of Git and GitHub from a nearly hour long video tutorial on Youtube

Tasks for next week:
- Get the account functionality fully working with the help of Brandon
- Make sure me, Aamir, and Unaisa are all on the same page and are consistent with our pages
- Get my Stocks page to simultaneously display multiple graphs for different stocks at once
- Integrate more of Brandon's and Vijay's backend work (like their APIs and AI work) to my pages
- Do any fine tuning or functionality additions if needed

Team Member: Unaisa
Total Hours Worked: 8
Tasks completed:
- Converted MusicHub.js into a JSX file (MusicHub.jsx) to make it cleaner and React-friendly.
- Fixed some small issues during the conversion and made sure everything still works in the app.
- Started looking into how to improve the AI recommendation section, explored how I can make the suggestions smarter and better integrated with the rest of the app.
- Reviewed the current layout and UI to spot areas that could be improved later.
- Helped make sure the overall styling is more consistent and that things don't overlap visually.
- Kept up with the team's progress to stay in sync for future tasks.

Tasks for next week:
- Work more on improving the AI recommendation feature, try to make it more useful and better matched with user interests.
- Help with adding album covers and artist images to the MusicHub.jsx page.
- Make small design and layout improvements based on team feedback.
- Continue testing the JSX conversion to make sure everything runs smoothly.
- Work with Brandon to fix few errors while running my page

Team Member: Brandon Maweu
Total Hours Worked: 12
Tasks completed:
Backend Development

- Passed JWT token from the backend upon successful login and registration.
- Implemented middleware to sign and verify JWTs using the jsonwebtoken library.
- Developed an authentication service that checks for a valid Bearer/JWT token before granting access to protected endpoints.
- Enhanced error handling and logging for token verification failures and expired tokens.

Frontend Development

- Integrated JWT handling on the frontend: stored the access token in memory and set the default Authorization: Bearer <token> header on all API requests via a custom apiClient.
- Implemented protected routes in React Router: components now check for a valid token and redirect to /login if authentication fails or the token is missing/expired.
- Started connecting the Welcome, Login, and Register pages:
    - Scaffolded basic layouts and routing for each page.
    - Wired up form state and validation logic using React Hooks.

- Began wiring the Login and Register forms to call backend authentication endpoints.
- Token Refresh Flow:
- Add refresh-token endpoint on the backend and store the refresh token in an HTTP-only cookie.
- Implement automatic token renewal on the frontend to prevent unexpected logouts.

Tasks for next week:
Complete Onboarding Pages:

- Apply final styling and UI feedback per design specifications.

Role-Based Access Control:

- Extend protected-route logic to enforce role permissions (e.g., admin vs. user).

Security Enhancements:

- Explore multifactor authentication options.
- Conduct a security review of the current auth flow and fix any vulnerabilities.

Add Navigation Links:

- Integrate "SportsHub" and "StocksHub" into the main navigation menu.
- Ensure protected routes for each hub, checking JWT before granting access.
- Update React Router configuration and navigation components to include these new hubs.

Team Member: Aamir
Total Hours Worked: 7
Tasks completed:
- Added functionality to switch to the different sports league tabs
- Worked on adding modal to see actual game stats from games and scores on top with team stats that I can switch through
- Working with Vijay with frontend and backend integration and he is helping me with implementing the functionality with the videos and news through API implementation

Tasks for next week:
- Continue working with Vijay and the team on getting frontend integrated with the backend Get all components of Sports Pages working along with the other pages as well Fix CSS for the sports page to make sure it looks proper and modern.