Sprint Reflection – Capstone 2

Team: D.O.M.E

Project: Go-To Grocery App

Accomplishments and Task Contributions

During this sprint, the team focused mainly on continuing development of core features and improving stability inside Expo. A major accomplishment compared to last semester is that the app now runs successfully in Expo on home systems. This allowed the team to test features in a live environment instead of only reviewing code separately.

Saubhagya Bhandari worked on improving the homepage. He organized the layout and made sure it connects properly to other screens. The homepage now works as the main starting point of the app and supports smoother navigation. Mikal Debesay continued developing the login and signup feature. She improved the form structure, added better input validation, and handled user error messages. This helped make the authentication process more stable. Subol Dhital worked on the location feature. The focus was organizing how location data is accessed and stored in the app. The feature was structured so it can later connect with search and filter functionality. In addition to development work, he compiled team updates and prepared the sprint reflection report to document the team's progress clearly for submission.

D'yanna Grey continued improving the scanner feature. She worked on stabilizing the barcode scanner within Expo. While it is not fully connected to product data yet, the scanning function runs more reliably now. Elsa Joy refined the search feature by improving how search input connects to displayed results. This made the feature more functional and easier to test. Olajumoke Kupoluyi continued building the filter feature. She organized filtering categories and prepared sorting logic so users can narrow down grocery items once integration is completed.

Challenges Faced

One of the biggest challenges during this sprint was environment inconsistency. The app runs properly in Expo on personal home systems, but it does not work consistently on campus networks. Sometimes the development server fails to load, or Expo cannot connect properly. This is likely due to school network restrictions or firewall settings. Because of this issue, most development and testing had to be done from home systems. This made in-person collaboration

more difficult and slowed down group debugging sessions. The team plans to look into possible solutions in the next sprint to improve consistency across environments. Another challenge was integration. Although each feature works individually to some extent, connecting them together without causing runtime errors requires more debugging and coordination.

What Went Well

This sprint showed clear improvement compared to last semester. The biggest success was getting the app to run in Expo. Being able to see the app live helped the team better understand how features connect. Task responsibilities were clearly divided, which reduced confusion. Communication remained consistent, and the team continued using GitHub for version control and Trello for tracking progress. Overall, the team feels more confident working with React Native and Expo compared to previous sprints.

Areas for Improvement

One area for improvement is earlier integration testing. Instead of waiting until features are mostly built, the team could begin connecting them earlier in the sprint to catch issues sooner. Another area is improving environment consistency, so the app works both at home and at school. Solving this will improve collaboration and allow smoother in-person testing. The team also recognizes the need for more collaborative debugging sessions as system complexity increases.

Use of AI

During this sprint, AI tools were used in a limited and supportive way. ChatGPT was mainly used to improve documentation clarity and check grammar. GitHub Copilot was occasionally used for small code suggestions and auto-complete features. AI-generated suggestions were reviewed and tested before being added to the project. AI was used only as a helper tool and not as a replacement for understanding the implementation.

Focus for Next Sprint

In the next sprint, the focus will be full integration of all features, so the app works as one connected system. The team plans to improve navigation flow, begin more structured testing, fix runtime inconsistencies, and refine the overall user experience. The goal is to move from partially working features to a stable and cohesive application.