

Know-Nothings

Todd Thompson

Chase Kent

Luke Simpson

Huy Le

For Sprint 2, we continued on our own sections of the app and started finishing up each of our tasks to be able to merge them all into the final app. Todd started weekly Zoom meetings which helped us get to know everyone's progress.

Android App: UI (Huy Le)

Huy has been tackling the ANN (Artificial Neural Network) this week and we are still discussing the necessity of this implementation.

Android App: Camera (Luke Simpson)

Luke changed the image recognition software to OpenCV. After some research he thought that it would work better with the needs we have. He has gotten the software up and running and has tested it on a few book covers. The results look great. Next he will move it to an android app and then merge it with the main app.

Web Service: Google Books API (Chase Kent)

Chase took a hold of the Senior Design Day documents, poster and some of the sprint documents. Lastly, he has not made much progress on the Google Books api implementation, but is getting help and should be setting up the finishing touches next sprint.

Web Database: Firebase Query for Books Database (Todd Thompson)

Todd has created a Firestore database for the books search app using the Firebase console. He has built python scripts that can query Google Books API in order to retrieve detailed info about books and push that data into the Firestore database. These python scripts will be used both on the Android app and in the cloud using Firebase Cloud Functions.

Web Database: Firebase Query for Recommendations (Todd Thompson)

Todd is continuing to work on developing a graph database that can be prebuilt in order to make recommendations of alternative products based on the book query. The graph database will use proximate connections to determine what records are the most related.

Reflection

Todd setup multiple Zoom meetings to get everyone caught up. This was extremely helpful to get in touch and regroup for the last sprint. This sprint we have made a lot of demo-able progress and are eager to wrap things up.