

3-2 Milestone Two Enhancement One Software Design and Engineering

Mohamed Saleh

Southern New Hampshire University

CS 499: Computer Science Capstone

Prof. Wasim Alim

July 20,2025

The selected artifact is Mobile app, I have worked on the software design and engineering section. I replaced the old grid view with newer recycler view and added search criteria which vital for most of the apps. I developed a new class to replace the older adapter and rewired the application components accordingly. I have updated the main activity layout to accommodate the new changes. The next change I need to work on is moving the database side to Firebase and add another button to reset the filter. I believe I am close to finish the Firebase part by the end of upcoming week. I will conduct a full test to ensure the correctness of apps functionalities.

For the second Artifact, I am thinking about strip Jupyter Notebook from the project due to many issues with dependencies. I finished the database migration side correctly, the next step is removed Jupyter and work on Python files, refactor the project to accommodate MySQL database.