Final Project

Mark as done

Due: Friday, May 16, 2025, 11:59 PM

The objective of the final project is for you to develop a deployable app from start to finish. There are no limits to what you may create but your app must contain a few key elements that clearly display your understanding of the information taught in this course. You are allowed to work alone or in groups of any size for this project.

REMINDER: Before you embark on an ambitious project, please be aware of the feasibility of the project's completion. Also, take into account how many people you have if you are working on a team. You will be graded on your app's completeness (Does it contain all the key elements?) and it's functionality (How usable is the app?). I do not care about UX or design (Is your app visually appealing?).

"Simplicity is prerequisite for reliability" ~ Edsger W. Dijkstra

Key Elements:

- A Proposal, this is a paper that should layout what you are attempting to build. This is a separate assignment, due in the days leading up to your final submission. This will be graded pass-fail based on if you turned it in and added the required information.
- A Prototype, this is artwork that will depict the intended GUI of your application. This is due prior to your final submission it is a separate assignment. This will be graded pass-fail based on if you turned it in and added the required information.
- Application requirements:

  - It should accept user interaction. A user must be able to interact with it in some way and the software should respond appropriately.
  - Server to device communications with user-specific data retrieval and storage.
    - Basically, your program should be able to communicate with a server. It should remember the user and save and edit data related to the user.
    - Some type of notification should be displayed to the user if there is no internet connection.
    - You may keep this simple. You can try connecting to a web API and store past API response results. In the past students have built applications using the notetaking server as their backend, other students have used Google Firebase and others have used a local SQL server.
  - Your app should be deployable, in other words, your app should be complete enough to the extent that you can deploy it on the Google app store. (You do not need to actually deploy the app on the app store). In other words, all of your activities and layouts should be complete and functional.

Submission:

Submit a video of you using your app. The video(s) should depict you using all of the features you have implemented in your app. The video you submit should primarily demonstrate that your app meets the user-interaction criteria, that the app makes network connections, stores user-specific information, and is deployable.

Submission status

Submission status	No submissions have been made yet
Grading status	Graded