Semester project grading will be based on a number of factors, including a demonstration video you will create to show off your app's operation, documentation you submit about the app's structure, and from our inspection and exercising of your code[1].

Ultimately, project grading will be somewhat subjective, but here are some general things that we will look for when determining your project grade. One key principle is that this is a semester-long project, so your total effort and output should strive for an effective, useful and polished app that reflects one person working 2-3 hours per week each, for at least 10 weeks.

For some examples of high-quality (but not perfect) projects from previous semesters. These were done by three-person teams, so the expectations were higher than they are for 1-person teams. Nevertheless, these will give you an idea of what a complete app looks like. See the following links:

- https://www.cs.umd.edu/class/fall2018/cmsc436/Projects/Public/HoneyGuide/
- https://www.cs.umd.edu/class/spring2022/cmsc436-0201/Projects/Public_s22/g20_citizen_science/
- https://www.cs.umd.edu/class/spring2022/cmsc436-0201/Projects/Public_s22/g10_daily_journal/

General Requirements

- At least 4 separate UI screens
- Supports multiple validated user accounts
- Saves and restores data to/from a remote storage site
- Uses a consistent color and font scheme across its UI screens
- Supports clear and reasonable use cases consistent with the project's description
- Handles common user errors (incorrect input, navigation mistakes, etc.)

Grading Rubric

Meets Basic Requirements (20 points). Does your app meet the basic requirements stated above. Note: If your app does not meet the basic requirements, it will likely suffer in the remaining rubric items as well.

Degree of Challenge (20 points). In your checkpoint submission you will include information about the app you intend to build. Does the work required to building this app reflect a semester project (i.e., each team member averaging a few hours a week for multiple weeks)?

Professionalism (20 points). Does your submitted app reflect the spirit of what you proposed, and does it include features one would reasonably expect in a publicly available app? For

[1] We will evaluate your app's operation on a Pixel 5 AVD running API 33. Please ensure that your app runs on this AVD

instance, does your app allow for multiple different users, individual users using the app across multiple sessions (e.g., persistent storage of appropriate app state),

User experience (20 points). We will examine your app to determine how well it works. For example - Is it easy for a new user to use? Does it prevent or respond to obvious errors? Does the app gracefully handle reconfiguration? Has attention been paid to the user interface, such as by maintaining consistent color and layout schemes, using high quality images, etc.?

Implementation (10 pts.). Does your app reflect best practice coding techniques that were taught in this class?

Documentation (10 pts.). You must submit an html file that links to or includes relevant information on your project. See the class website for the specific format. Please follow the format precisely, so that graders can find and evaluate your materials easily.