

CSE 535 Mobile Computing Project 1

(Fall 2022)

The idea of this project is to create an Android Application that lets users click any picture and upload the image to a server. As already mentioned, this project has two parts, 1) Building the Android Application with which the users can click the picture and select the category of the image, and 2) Creating a server that will help store the application based on the category selected.

Project 1 will be individual. Everyone is expected to **submit a video** of the android application working along with the **source code**. This application will be reused for Project 2 and Project 3.

Deliverables:

- 1) **Mobile Application:** Develop an android or iOS application that opens the back camera and lets the user click an image. This application then sends the image over to the server along with the category information to store in the server. The application should have at least **two** pages. Page1 should ask the user if the user wants to click a picture or not. The second page should ask the user to input the category of the image the user just clicked from a dropdown item list. This page should also have an upload button that sends the image and the information to the server.
- 2) **Server Side:** Develop your local server on your computer. It is recommended that you use Flask to build your local server. The server needs to store the images in the respective folders of each image category.

Submission:

- 1) Source Code of both Application and server.
- 2) Video of working demonstration of the application and the server.
- 3) A 1-2 pages report explaining the technical workings of your application.

All the above things need to be zipped together and uploaded on Canvas.

Important Dates for Project 1:

- 1) Due Date to Submit: 09/07/2022 at 11.59 pm (Arizona Time)

Notes:

We will be taking a **Zero Tolerance Policy toward Plagiarism**. So, please submit only your **original work**. Violations of the University Academic Integrity policy will not be ignored. Penalties include reduced or no credit for submitted work, a failing grade in the class, a note on your official transcript that shows you were punished for cheating, suspension, expulsion, and revocation of already awarded degrees. The university's academic integrity policy can be found at <https://provost.asu.edu/academic-integrity>.

Thank You