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Final Project Proposal

Instagram Clone

The project that I will be creating for my final project is a clone of the popular social media app “Instagram.” This app is owned by Facebook, so it requires a VPN to access it. I will be creating an app that will have a very similar structure for photo/video sharing and communication with friends/strangers. Although this APP is banned in China, it is very popular in countries across the world for its simplicity, yet high functionality and communication capabilities.

This will be a very good project to sum-up the entire duration of the Android application class. It will implement features that we have been using since the first weeks of this class. It will have a high degree of focus on the GUI, with everything from recycle views to photo/video manipulation. Everything from recycle views, to database searching; to Bluetooth compatibility and much more will be built into this APP.

Some of the functionality of the APP will be:

* Ability to login/signup with email, Facebook or wechat.
* Importing photos from your phone
* Using the camera to take photos/videos
* Discover other users via username search
* Discover other users near you via Bluetooth
* Viewing other user’s ‘feed’
* Posting photos/videos to your own feed
* Database storage of profile information, and content
* Pulling photos from databases of users that you follow.
* Comment/like other user’s photos

Below is a small overview of the interface of the Instagram clone. It will have a very similar login page to many social media applications, making it very familiar. The main page will be a long scrolling page filled with the content of the users that you follow. It will be refreshed to make the newest pictures appear first, and notify you when there is a new post. Other than these two main pages, there will be smaller interfaces such as the settings menu, a page to view your profile, and the camera screen.

