

Briefly explain (one short paragraph per point) how your project will fulfill the minimum entry requirements described in Lecture 1

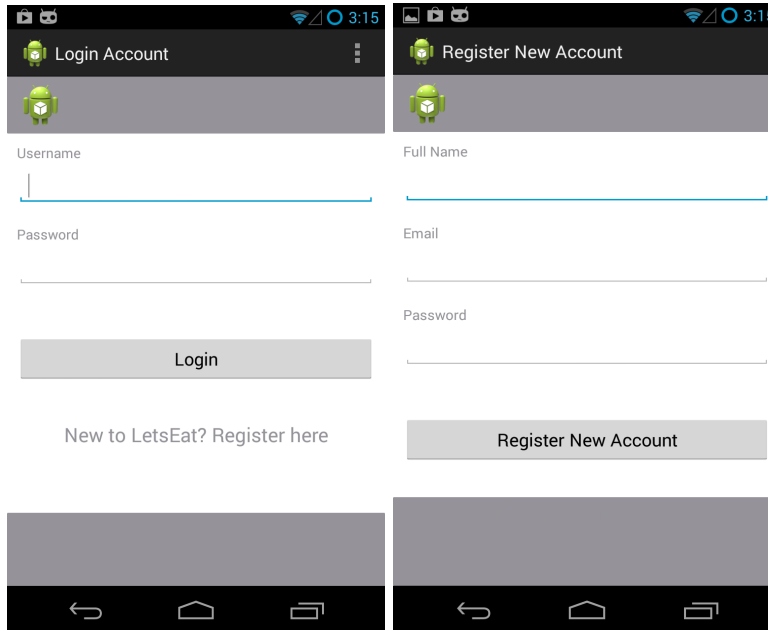
1. user accounts/management

We use Django as our server framework to handle user accounts and management. Both Web and mobile can register and login to our system.

Web:

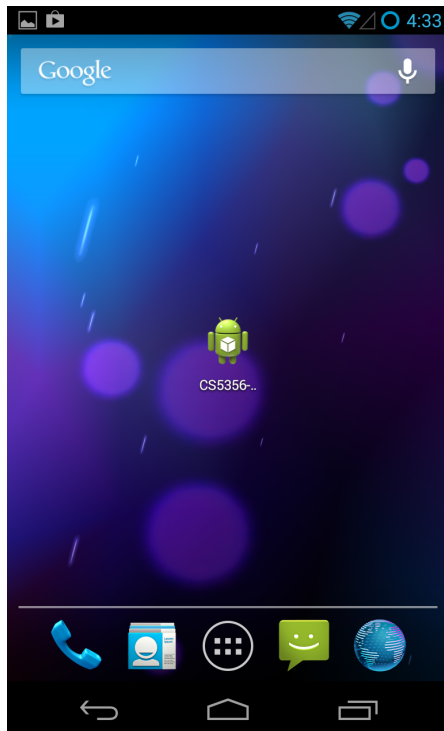
<http://54.172.32.59:8000/accounts/login/>

Mobile:



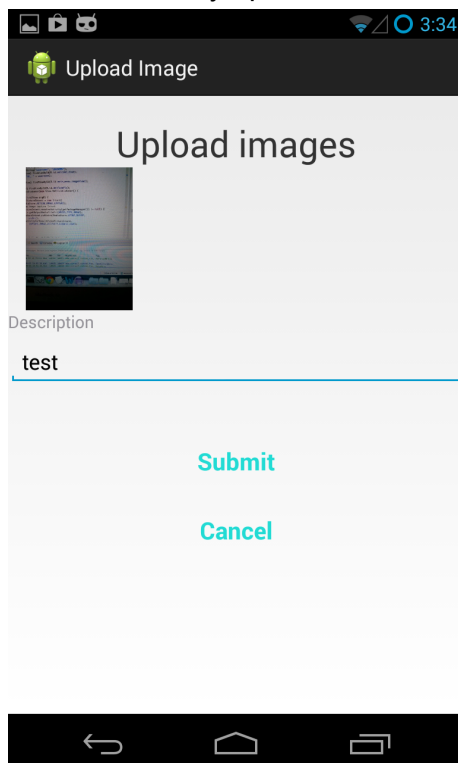
2. native app on Android or iOS

We built a native Android app.



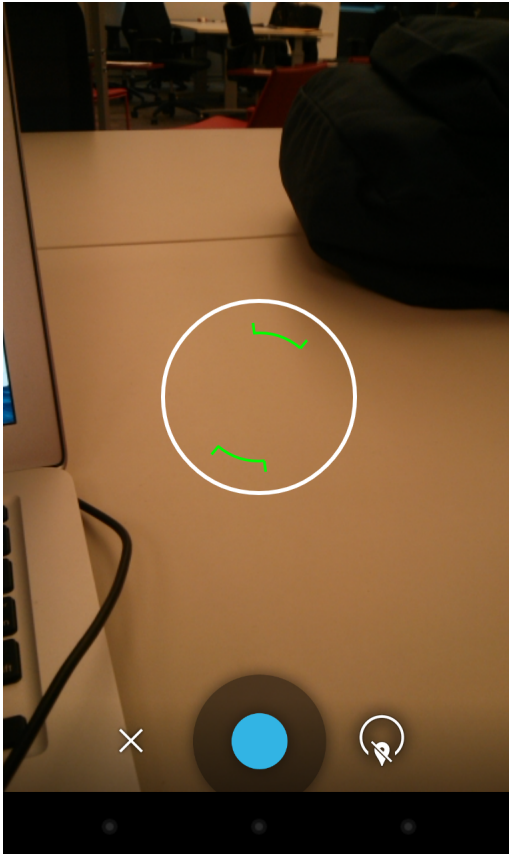
3. meal description/metadata logging with date/time stamp

When uploading image, we provided EditText to let user input description, and timestamp parameter automatically uploaded as well. Both web and mobile can upload images.



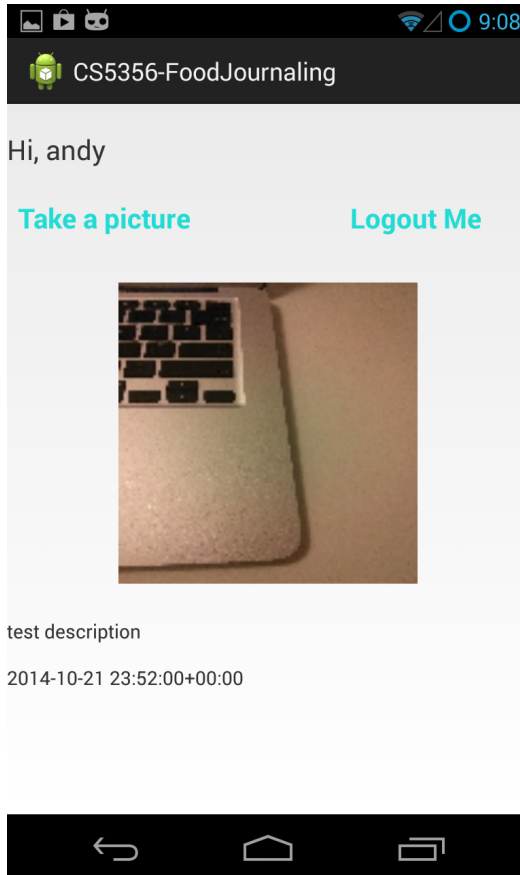
4. photo capture/storage

Used Android default camera to capture picture, and stores the image on Server's filesystem and image path information in database.



5. thumbnailing/image manipulations

Display image thumbnailing as bitmap using the width and height of ImageView.



6. at least one service (in the sense of SOA)

Server to mobile REST service:

POST

54.172.32.59:8000/login/

54.172.32.59:8000/register/

54.172.32.59:8000/uploadImage/

Parameters and returned JSON format defined in our communication interface document when accessing the url with mobile devices

7. rudimentary web presence

<http://54.172.32.59:8000/index/>

8. basic API for data export

Get specific user's posted images using mobile devices:

<http://54.172.32.59:8000/getImages/username%3Dandy/>

9. integration with 3rd party API

<http://54.172.32.59:8000/twitterlogin>

Intergrated twitter login function.

Tweepy: built a Python script that can tweet from the command line using OAuth.