Selfie With Strangers

Design Specification

The Description

- A platonic meeting app
  - Meet new people
  - Explore the local area
- Match a time and place with a random person
  - Answer an ice breaker question together
  - Take a selfie
- Upload and share your selfies

The Application Flow

- **Login**
  - Login through Strangers with Selfies ID or Facebook
  - Create new user if new
  - Load session and move to news feed
- **Newsfeed**
  - See a list with the number of selfies in the region
  - Can receive new selfie for list
  - View profile, see users, search, settings

The Application Flow

- **User Profile**
  - View selfies of that user
  - Basic info about user
- **Selfie Search**
  - Location of user
  - Can find selfie for:
    - Nearby
    - Future

The Application Flow

- **Selfie Search**
  - Nearby
    - Displays location / image of people nearby
  - Future
    - Possible locations / time displayed
    - Two users agree to one possible time / location
    - Can decline selfie
  - Alert for selfie match with another user

Taking a Selfie

- **Answer question**
  - Ice breaker question for both users
  - Save answer to DB
- **Users meet**
  - Enter unique selfie code
  - Take picture, store in DB
- **Pick picture**
  - Match picture that both users like
  - Post picture to newsfeed
  - Icebreaker answer is an optional caption

Settings

- **Update user preferences**
  - Security information
- **Newsfeed settings such as picture sharing options**

The API's

- **Login**
  - Facebook Javascript SDK
    - Easy login
  - oauthlib 0.7.2
    - Selfie with Strangers login
- **Search for Selfies**
  - Urllib (Python)
    - Geolocation of user
  - UUID
    - Unique ID's for users and selfie sessions

The API's

- **Taking a selfie**
  - Access to camera
    - getUserMedia API Picture upload
    - Flask file upload API
- **Post a selfie**
  - Facebook Javascript SDK
    - Make post API
  - Python for Facebook

The Database Schema

- **Tables**
  - Users
    - UID, password, etc
  - Questions
    - Store questions, responses, and selfie ID
  - Locations
    - Distance from destination, UID
  - Selfies
    - UID, date created, etc

Presentation by: Zac May 4/8/15