



Selfie with Strangers

Functional Specification

13 March 2015

Selfie with Strangers is a low-pressure, low-risk way to meet people around you. Users find other users by being notified when they are close to each other, or by scheduling a meeting for a future time. Once users meet, they tell the other person about themselves and take an awesome selfie together.

Bruce Spang - 3/13/2015

Use-case Scenarios

Scenario 1:

Fred is visiting New York City and wants to go to some awesome places and take some awesome selfies for his friends back home. He goes on Selfie with Strangers and is matched with someone. The app suggests that they meet in Times Square in front of the bleachers. After sharing their deepest fears to prove that the meetup was successful, they take a great selfie in front of the huge commercial screens with the Coke logo in the background.

Scenario 2:

John is a transfer student at UMASS Amherst and wants to meet some new friends. While riding the bus one day, he's matched with Billy on Selfie with Strangers. They meet and in answering their pre-selfie question, they discover they have many things in common, most importantly passions for building things with Legos and skiing. After they selfie together, they become good friends.

Scenario 3:

Amy is an American sociology student vacationing in London. She wants to know more about the cultural differences between England and America. She starts up Selfie with Strangers in hopes of being matched with a local English person who can provide a personal account of life in England. A match is made, and the app suggests that the Amy and her match meet at Buckingham Palace. After the selfie, the stranger tells Amy about his experience growing up in England.

Scenario 4:

Amanda loves to travel the world and take selfies at her travel destinations. While visiting Paris, she wants to up her selfie game by taking selfies with local strangers. She fires up Selfie with Strangers and quickly gets a match, then agrees to the apps suggested meeting place, the Eiffel Tower. When she arrives and finds her match, they take an iconic picture in

front of the famous landmark, and all of her relatives back home are incredibly jealous upon seeing the selfie posted to facebook (as approved by both match members).

Scenario 5:

Adam is at a party with a couple other friends. He wants to take a crazy picture to emphasize how much fun he is having. Instead of taking a selfie with only his friends, he starts up Selfie with Strangers. He and his friends are matched with another small group of people down the street, who are also trying to take a wild selfie at a party. With all of them together, the selfie becomes truly off the chain. After taking the selfie, one of the people in Adam's group realizes that he is applying for jobs this semester and would rather not have this selfie visible to employers. Adam, being a good friend, decides to deny permission for the selfie to go public, and it is never posted to the news feed or to facebook.

Scenario 6:

Joe is in Starbucks, working on his English essay. He receives a notification that someone near him is using Selfie with Strangers. He decides to take a study break and interact with something other than his computer. He opens up the app and sees their face on the "nearby users" screen. He finds the person in the coffee shop, and, spurred by the pre-selfie question, they talk about dogs then take a picture. Joe comes back to his essay refreshed inspired by the rawness and realness of spontaneous human contact to produce some properly poetic prose.

Scenario 7:

Rachel is trying to be matched for a selfie, and is matched with Robert. Since she sees that Robert has many "No Show" points and the destination is far away, she decides to decline the match.

Scenario 8:

Marcus is sitting in the Computer Science Building U-Space and wants to kill 5 minutes. Unfortunately, there are no Selfie with Strangers users within a selfie-conducive radius of his location. He decides to browse the Selfie Feed to see the pictures others have taken. At the top of the feed is a cool pose near W.E.B. Du Bois Library. The pose inspires him to stop and take a selfie at the library on his way home.

Scenario 9:

Rachel sees her friend Amanda using Selfie with Strangers and meeting a lot of nice people. She decides to try it out herself. She goes on the website and sees she can quickly make an account by logging in with Facebook. She enters her email, so that she can receive updates about Selfie with Strangers in the future. Soon Rachel is taking fun pictures, too.

Scenario 10:

Thor is feeling sick and wants to take a selfie, but no one around him is on Selfie with strangers. He decides to schedule a selfie for that afternoon, but many of the people he's

matched with are just too far away for a sick person to go. He changes the distance of where matches are made so that he is only matched with people in his town, and decides to take a selfie at a coffee shop a few blocks away that afternoon. Although Thor's throat feels bad, the selfie turns out great.

Scenario 11:

April is hanging out on a beach, and takes a truly remarkable selfie with Joe, a random stranger. She wants all her friends and family to see the selfie, so that they feel like fools for not being at the beach with her. After taking the selfie, she selects all the social networks for sharing, and it is sent to Facebook, Instagram, and Twitter. All of her friends are jealous, and feel like April's fools.

Scenario 12:

Cal is hanging out in a park, and is matched with Will. The two take an amazing selfie together, and immediately fall in love. The two want to hang out more afterwards, so Cal gives Will his phone number. The next day, Will calls Cal and the two go on a date to a movie theater.

Scenario 13:

Jehova is looking for something to do in the afternoon, and decides to take a selfie. He schedules a selfie with Ida at an abandoned strip mall. When Ida shows up, she beats up Jehova and steals his wallet. Jehova reports this to Selfie with Strangers in the app, who report it to the police. The police immediately arrest bad Ida and are able to convict her based on Jehova's witness.

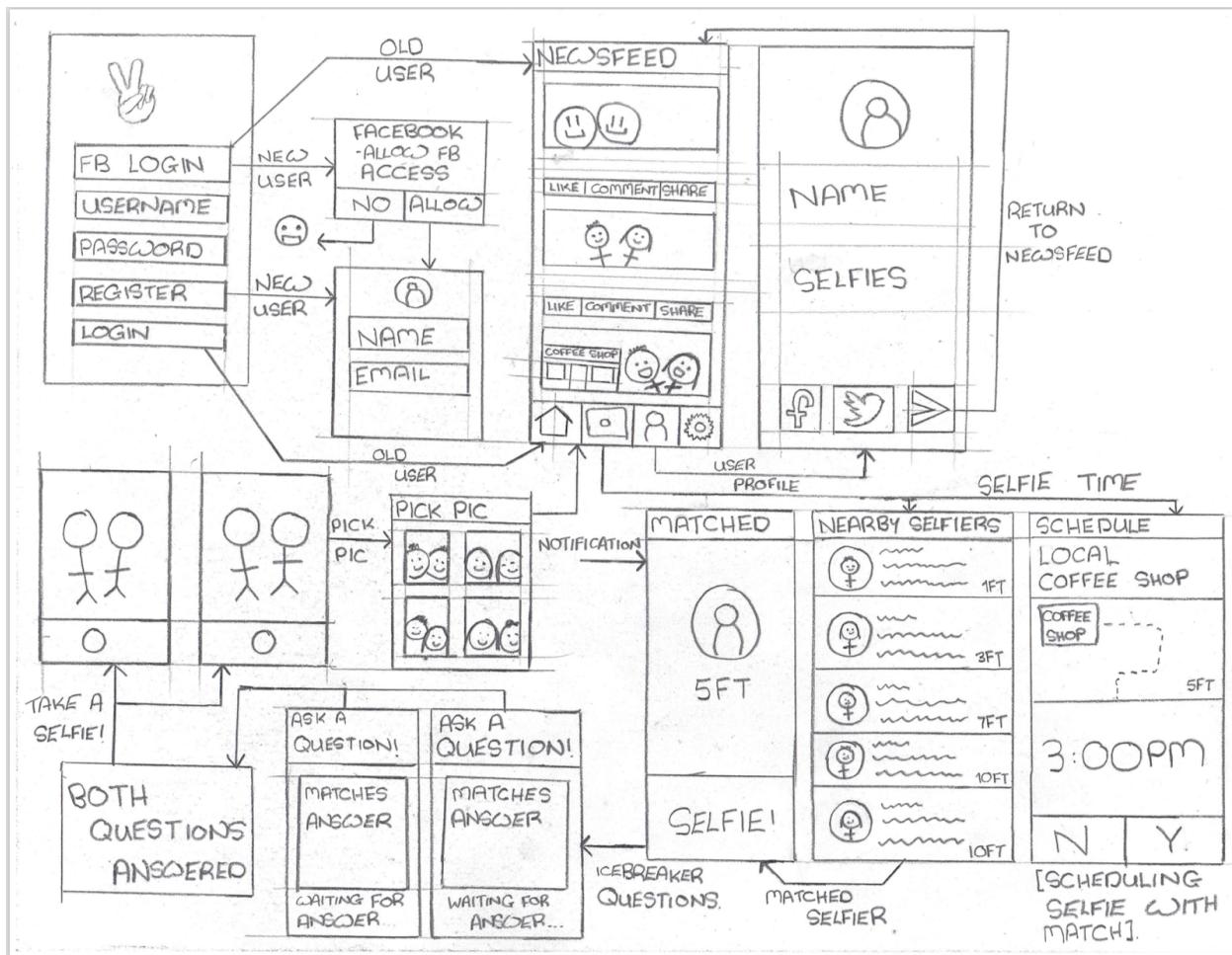
Aleksandr Burkatovskiy - 3/5/15 & Bruce Spang - 3/12/15 & Oskar Singer - 3/13/15

Non-Goals

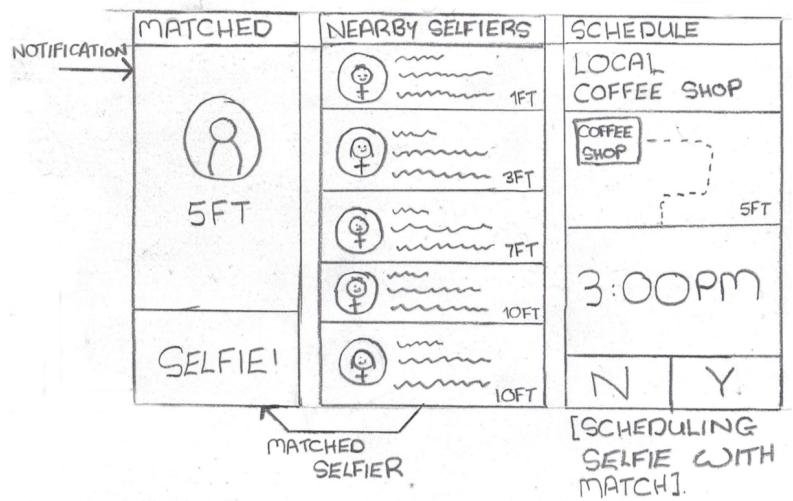
1. This is not a dating service. Users can meet with anyone, with no guarantees of shared interests or attractiveness. The only expectation for a Selfie with Strangers meeting should be a smangin' selfie.
2. This is not an app for staying in touch with people. We are also not actively promoting that users stay in contact with each other after the selfie has been taken. We do not require that users friend each other or share numbers when taking a selfie.
3. We are not a messaging service. Users must physically meet to share selfies.

Caleb Larson - 3/11/15

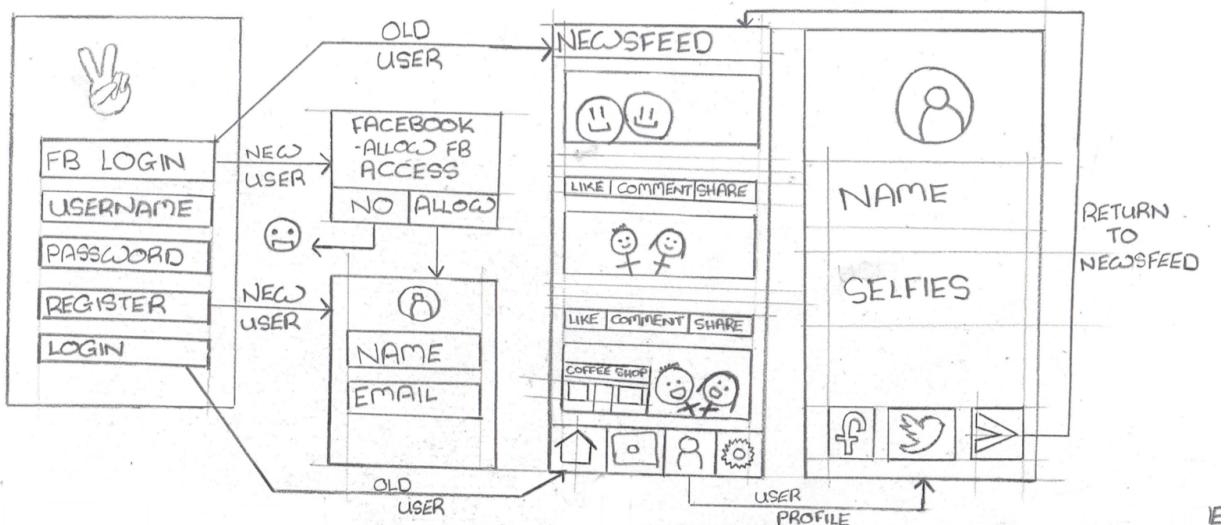
Flowchart



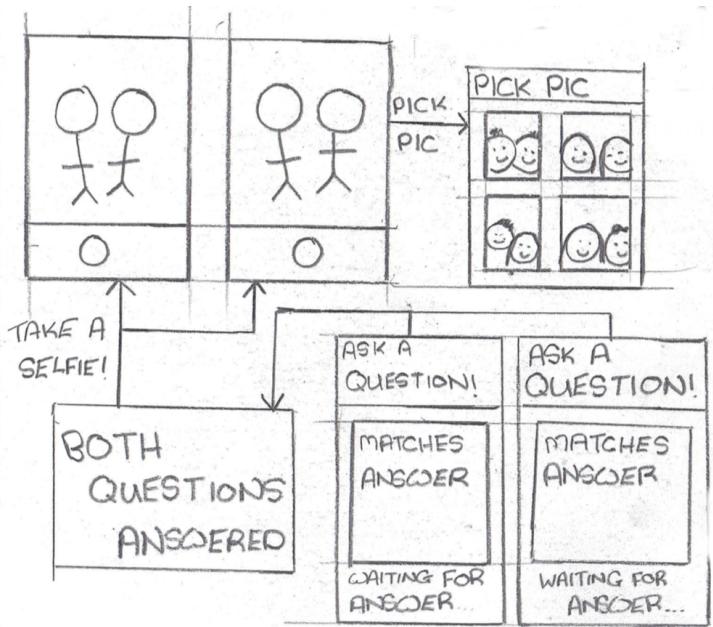
Wireframes



Search for selfiers nearby/scheduling a selfie



Login / register views and newsfeed



Icebreaker question and selfie-taking process, pick one out of all the selfies to have as your public selfie picture.

Wesley Fung - 3/9/2015

Open Issues

1. One aspect of the project that will require serious thought and discussion is how/if we want to create some sort of sharing and commenting system. One possibility is simply posting approved (by us and the user) pictures to facebook. Another option is creating a simple selfie feed ourselves.
2. Another open issue is the method of user registration. We have not finalized if we will require facebook sign-up. This kind of restriction would limit our user base and possibly involve some extra privacy concerns, but it provides a certain amount of identification validation (good for preventing multiple accounts per person, resigning up after being banned, discourages unsafe user behavior, etc) and gives rich data that could result in better user matches. Any statistical/machine learning models for matching users could benefit strongly from facebook data.
3. One design issue is the layout of the schedules (time and location) we will allow people to select. We could restrict selections, which would make the interface simpler and more user-friendly, but would involve more coding and server overhead.
4. We are also unsure about how to or even whether to penalize users who do not show up to selfie meetups that they selected. One idea is a point system that will reward users who attend a schedule selfie meetup and penalize those who don't. However, this involves trusting users to be honest when they report no-shows.
5. An area that requires more research is the reliability and precision of location data from access devices. We want to match people who are conveniently close to each other, and this requires a certain amount of confidence about the location data that a user's access device provides to us.
6. The structure and dynamics of the notification system still needs to be determined. This will require special consideration of the privacy and safety concerns and should be designed carefully.
7. Security is a major cause for concern in our system. We want to make sure that pictures are not posted unless both users approve. We also want to make sure that photos are either stored securely, or not stored for very long (we are considering a snapchat-type model for selfie storage). Security is a big issue because our app involves meeting in real life with real people, which leaves many moving parts and variables out of our control. There is a chance that users will not enjoy being with each other and we want to make sure that users have the ability to simply walk about without any paper trail (if they desire). Handling user location is also a sensitive undertaking.
8. Another open issue is whether or not users will have to be connected to the internet at critical steps in order for the system to function.

Caleb Larson - 3/11/15, Oskar Singer - 3/13/15