

## Designs for all screens (Balsamiq)

(on Github → Designs folder)

## Third Party Libraries We Plan to Use:

- Firebase (Storage)
- Message Kit
- Koloda
- Google Sign-In
- Some Geotag library

## Server Support & APIs we plan to build

API for:

- matches (load matches for each user)
- Filtering (show potential matches by user preference)

## List of all Models to Include in App:

### **User**

- Profile picture: UIImage
- Name
- Gender
- Date of Birth / Age
- Bio
- **Login Credentials object** (*Look below*)
- **Matches object** (*Look below*)
- **Preferences Object** (*Look below*)
- **Messages:** chat logs

### **Login Credentials**

- Username
- Email

- Password

### Matches

- Current matches
- Favorited matches
- Deleted matches (don't match them again)

### Preferences

- Gender
- Age
- Pets (yes / no)
- Is student (yes / no)
  - Area of study

### List of all view controllers

- How to navigate to each view controller
- Protocols/delegates/variables using for view controllers and communication between them
- Account Creation View Controller:
  - First time users are directed to this VC
- Profile Setup VC:
  - Protocol/ listener for when user captures photo; update user's object
  - Can navigate to this VC after account creation VC.
- Login VC:
  - Google Sign-In Delegate
  - Navigates to `Home VC`
- Home VC:
  - Koloda View Delegate (stack swiping animation)
  - UI Tab Bar Controller Delegate (bottom menu bar)
  - Using bottom bar, can navigate to 'Edit Profile VC', 'Matches VC', 'Messages Overview VC'
- Edit Profile VC:

- UIImagePickerControllerDelegate (take pictures from camera roll)
- Navigates from 'Home VC'
- Settings/Preferences VC:
  - UITextField Delegate
  - Navigates from 'Profile VC'
- Matches VC:
  - UITableViewDataSource, UITableViewDelegate
  - Navigates from 'Home VC' to 'message Overview'
- Messages Overview VC:
  - To be decided
  - Navigates from 'Matches VC' to 'Chat VC'
- Chat VC:
  - To be decided
  - Navigates from 'Matches VC'

### List of Week Long Tasks and Timeline

Week	Task to be completed
11/12-11/14	Complete layout for view controllers with basic functionality
11/15-11/20	Integrate Firebase into functionality
11/21-11/27	Message Kit Integration + Integrating Camera (taking pictures & uploading)
11/28-12/4	Implementing Filtering and Matching

### Testing Plan

- Create google surveys for users to fill out after using app:
- Have them rate:
  - Ease of use, how hard was it to figure out how the app works?
  - Rate if the flow/navigation from screen to screen was logical (should navigation between screens be changed?)
  - How long it takes to sign up
  - How satisfied they are with the matches they get

- How likely they would use the app compared to alternatives (Facebook, ...)
  - How safe do they feel using the app
- Suggest improvements:
  - Preferences sheet (should some preferences be added/removed, and if so what?)
- Time how long it takes user to go through flow