

User

- Hold information about users (age, name, likes, etc.)

Message

- Contains a sender and receiver User and message content
- Thread

Thread

- Holds a list of messages and the Users related to them.
- Message

CurrentUser

- Holds the current User (who logged in).
- This class represents all of the current User's abilities.
- Such as the ability to like another user, message another user, or change their own information.
- This class also will have methods that help with the display of most of this information.
- MessageView
- User
- Thread
- Message

Database

- Stores all the Users.
- Can create and store a list of potential matches based on a given User's preferences.
- Can get a "nextUser" for the current User to swipe on.
- Has the ability to generate a unique ID to assist with new User generation.
- User
- SwipeView

CreateAccount

- Accept information to be able to create a new account. This means generating a new User with some given information.

- User
- Login
- DataBase

ProfileView

View

- Holds a database and CurrentUser (from login).
- It represents the "My Profile" page from a website. This allows you to edit and view your information.
- It sends requests for that information to CurrentUser.
- It will also have some kind of function to switch between the other views.

- CurrentUser
- Views

SwipeView

View

- Holds a Database and CurrentUser.
- Represents the swiping page.
- Can ask DataBase to create a list of Users and gets the top one to display.
- It can also get the next User from that list whenever needed.
- Has a function to switch to any other View.

- DataBase
- CurrentUser
- Views

MessageView

View

- Holds a Database and CurrentUser.
- Represents the messenger page of an app.
- Defaults to showing you a list of previous people you have messaged.
- Works with CurrentUser to determine what other Users you can create a Message with and start sending Messages to them.
- Has a function to switch to other views.

- Views
- DataBase
- CurrentUser

Login

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| <ul style="list-style-type: none"> • Starts by asking you to create an account or log in. • In either case, you eventually get to the point where you input a <code>CurrentUser</code> (who signed in) and a database of users into <code>ProfileView</code>. Then you switch to <code>ProfileView</code>, where you can do anything else. (This makes "My Profile" the landing page when you log in to the app) • In the case where you create account, you ask <code>CreateAccount</code> to generate a new <code>User</code> based on given info. | <ul style="list-style-type: none"> • <code>CreateAccount</code> • <code>ProfileView</code> • <code>CurrentUser</code> |
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Abstract

View

`ProfileView`, `SwipeView`, `MessageView`

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| <ul style="list-style-type: none"> • Ensures all the view methods have a <code>run()</code> method that allows them to display their content, and interact with it. • As well as ensure they all have necessary instance variables and the ability to switch between eachother. | |
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Session

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| <ul style="list-style-type: none"> • Creates a <code>Login</code> and runs it. | <ul style="list-style-type: none"> • <code>Login</code> |
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