

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).
- newLike(User) ⇒ Records that the current User liked another User, then records it in both Users.
- Get and Set methods for changeable info in User.
- DisplayThreads() ⇒ Send a bunch of strings of Threads to the MessageView to display relevant to the current User.
- DisplayMessages(int) ⇒ Send a bunch of strings of Messages from a Thread to the MessageView to display. The int references the Thread to display.
- CreateMessage(int, String) ⇒ Adds a new Message to a Thread with the String as Message content. The int references the Thread that we put the Message into.
- ShowMatches() ⇒ Shows a list of the current User's matches.
- CreateThread(int) ⇒ Creates a new thread between the current User and the User referred to by the int.
- MessageView
- User
- Thread
- Message

Database

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| <ul style="list-style-type: none">• Stores all the Users.• Can create a store a list of potential matches based on a given User's preferences.• nextUser() \Rightarrow pops a User off the list of potential matches. | <ul style="list-style-type: none">• User• SwipeView |
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CreateAccount

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| <ul style="list-style-type: none">• Accept information to be able to create a new account. This means generating a new User with some given information. | <ul style="list-style-type: none">• User• Login |
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ProfileView

View

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| <ul style="list-style-type: none">• The constructor accepts a database and CurrentUser (from login).• Run() \Rightarrow shows the information from CurrentUser and allows you to call the change/get methods for certain User information.• Send Change/get info requests to CurrentUser (which changes bio, age etc. on his profile).• ChangeView<View>() = accepts a type of View then creates an instance of that view and calls that View's Run() method. | <ul style="list-style-type: none">• CurrentUser• Views |
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SwipeView		View
<ul style="list-style-type: none"> • The constructor accepts a Database and CurrentUser. • Run() ⇒ Asks DataBase to create a list of Users and gets the top one to display. • GetUser() ⇒ Asks DataBase for the next User. • Swipe Right/Left() ⇒ Ask CurrentUser and DataBase to record a new-like. • Then GetUser(). • ChangeView<View>() ⇒ Accepts a type of view then creates an instance of that view and calls that View's Run() method. 		<ul style="list-style-type: none"> • DataBase • CurrentUser • Views

MessageView		View
<ul style="list-style-type: none"> • The constructor accepts a Database and CurrentUser. • Run() ⇒ Call ShowThreads(). • ShowThreads() ⇒ Asks CurrentUser to display all the Threads related to this User. • SelectThread(int) ⇒ Asks CurrentUser to display all messages in the Thread. • SendMessage(String) ⇒ AsksCurrentUser to create a new Message with the content in the String, with the sender and receiver based on the Thread. • ShowMatches() ⇒ Ask CurrentUser to show all matches. • SelectMatch(int) ⇒ Asks CurrentUser to create a Thread between the current User and the selected match. • ChangeView<View>() = accepts a type of view then creates an instance of that view and calls that views Run() method. 		<ul style="list-style-type: none"> • Views • DataBase • CurrentUser

Login

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| <ul style="list-style-type: none"> • Calls run which asks you to either sign in or create account. • 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 call the run for <code>ProfileView</code>. So when you login you land on the "my profile" page. • 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. • As well as ensure they all have necessary instance variables. | |
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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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