



# Senior Project, 2017, Fall

## Life Management Mobile App 2.0

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### Problem

- Many people feel lack of purpose, fulfillment and contentment in their life.
- People spend a lot of time on things that do not really matter and feel unsatisfied deep inside.
- There is a need to help people find happiness and meaning in life.

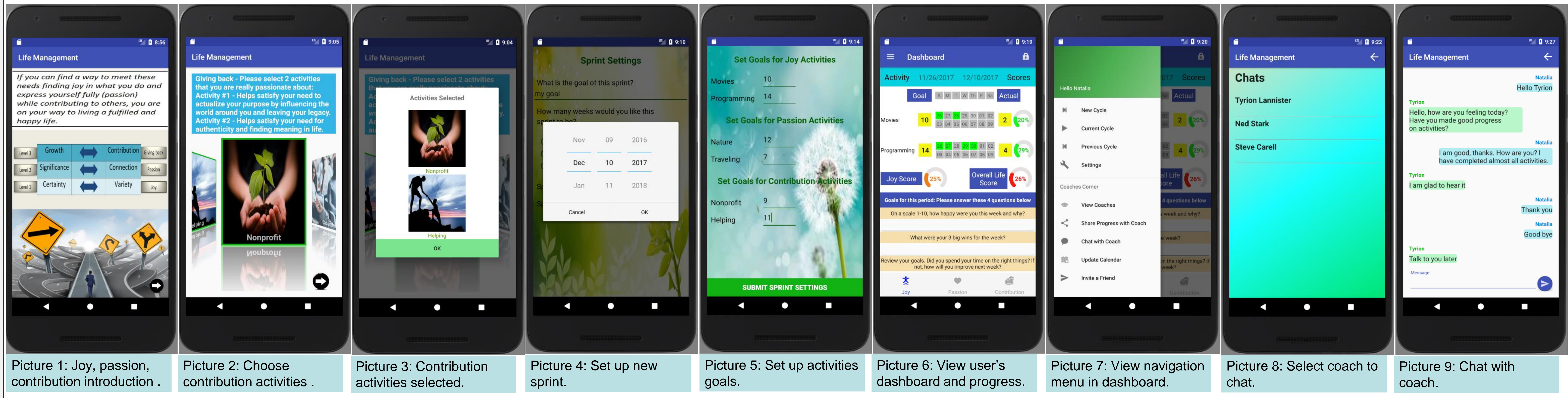
### Solution

- The solution is to help people progressively build better version of themselves through:
  - Finding joy in what they do
  - Doing things that they are passionate about
  - Finding a meaningful way to give back to others

### Current System

- Mobile app that helps people:
  - Select and stay focused on activities that help find sense of joy, passion and contribution.
  - Update and visualize people's progress.
  - View and communicate with life coaches.

### Screenshots

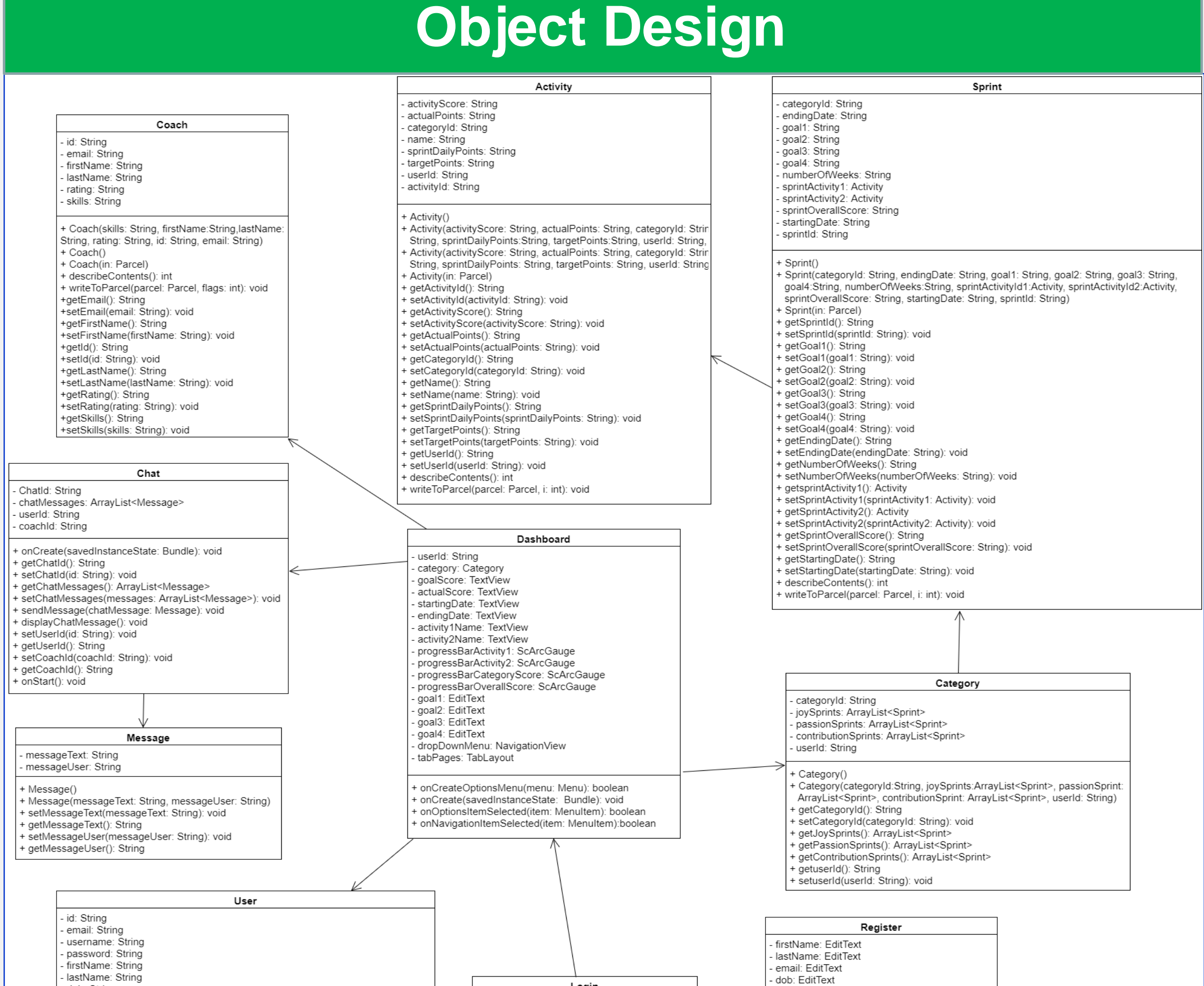


Picture 1: Joy, passion, contribution introduction .  
 Picture 2: Choose contribution activities .  
 Picture 3: Contribution activities selected.  
 Picture 4: Set up new sprint.  
 Picture 5: Set up activities goals.  
 Picture 6: View user's dashboard and progress.  
 Picture 7: View navigation menu in dashboard.  
 Picture 8: Select coach to chat.  
 Picture 9: Chat with coach.

### Requirements

The system allows users:

- View joy, passion, contribution introduction page (pic 1)
- Select activities that bring sense of contribution (pic 2 and 3)
- Start new sprint setting up time period and activities' goals (pic 4 and 5)
- View user's dashboard and visualize their progress (pic 6 and 7)
- Select and communicate with life coaches (pic 8 and 9)
- Safely sign out of the application



### Implementation

- The application was developed using Android Studio 2.3.3 IDE
- Java for programming language in combination with Android SDK tools
- XML for defining user interface
- Firebase Realtime Database for data storage and synchronization across Android and iOS mobile devices
- Agile project management using Mingle
- Git for source control

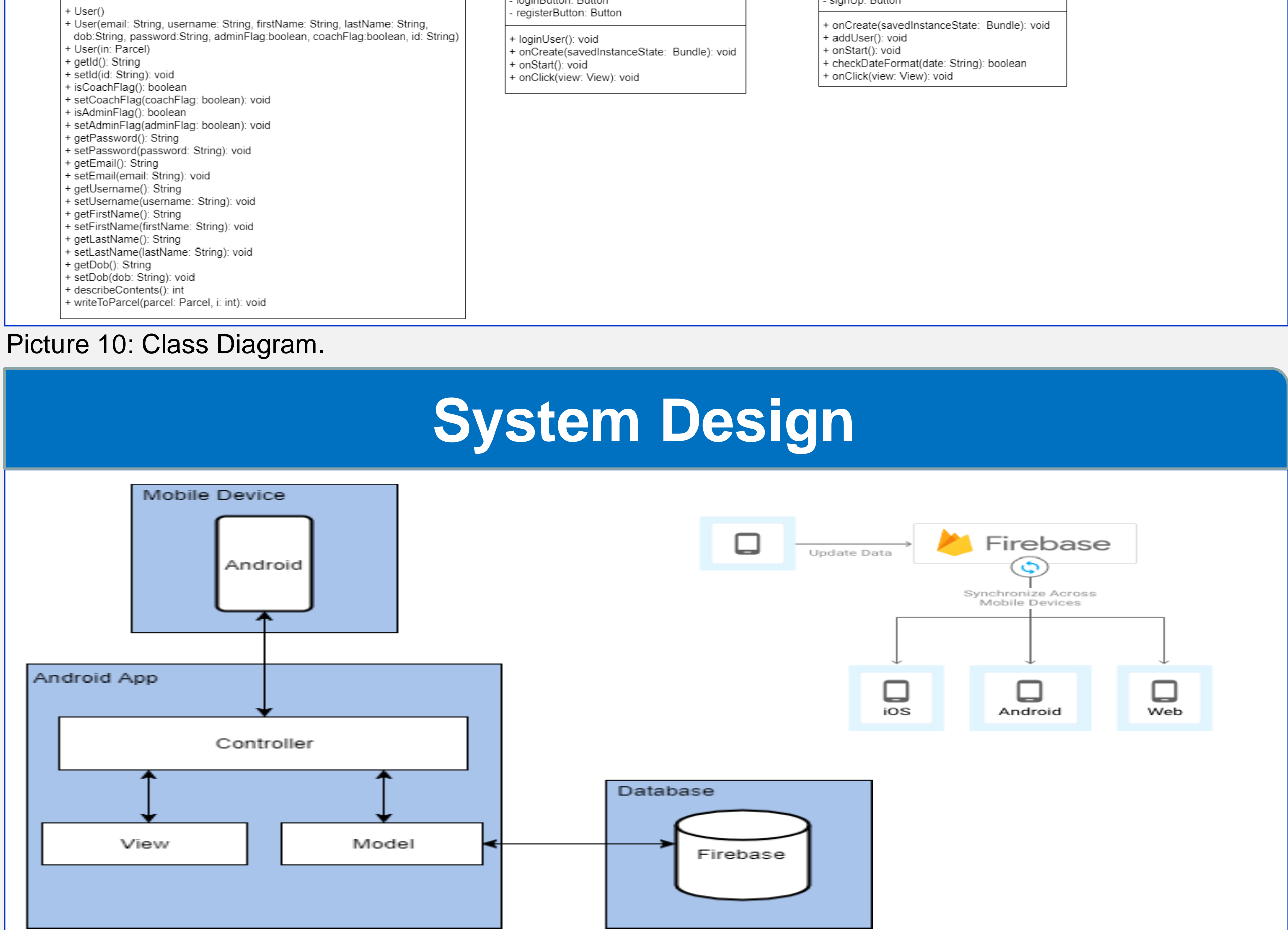
### Verification

Test Case ID	SelectTwoDifferentActivities (sunny day)
Purpose	Validate that user can successfully select two different activities
Preconditions	<ul style="list-style-type: none"> <li>User is logged in and presented with contribution activities</li> <li>User has selected two different activities</li> </ul>
Expected Result	Selected activities should be marked as selected by having green frames around images. Dialog window with selected activities should be displayed. Next button should be displayed.
Actual Result	Selected activities are marked as selected by having green frames around images. Dialog window with selected activities is displayed. Next button is displayed.
Status	Pass

Test Case ID	SelectTwoEqualActivities (rainy day)
Purpose	Validate that user is not allowed to select two equal activities
Preconditions	<ul style="list-style-type: none"> <li>User is logged in and presented with contribution activities</li> <li>User has selected two equal activities</li> </ul>
Expected Result	Selected activities should not be marked as selected by not having green frames around images. Dialog window with selected activities should not be displayed. Next button should not be displayed. Contribution activities should be displayed for user to make selection.
Actual Result	Selected activities are not marked as selected by not having green frames around images. Dialog window with selected activities is not displayed. Next button is not displayed. Contribution activities are displayed for user to make selection.
Status	Pass

Picture 11: Unit Test.



Picture 12: System Architecture. Firebase Realtime Database.

### Summary

- Life Management Mobile app helps users find happiness and purpose in their life.
- Users can update, visualize and assess their progress to make necessary adjustments in their life.
- Users can communicate with life coaches for support and guidance.

### Acknowledgement

The material presented in this poster is based upon the work supported by **Ranjeet Deshmukh** (mentor) and **Ravi Agarthi** (contributor). I am thankful for the help that I received from my group members, **Lazaro Fernandez** (Android app) and **Eric Rado** (iOS app), as well as for the support and guidance provided by **Masoud Sadjadi** (Instructor) and **Leila Zahedi** (Teaching Assistant).