

# CS 5551 Advanced Software Engineering

## Assignment 3 Solution

Sri Harsha Chennavajjala

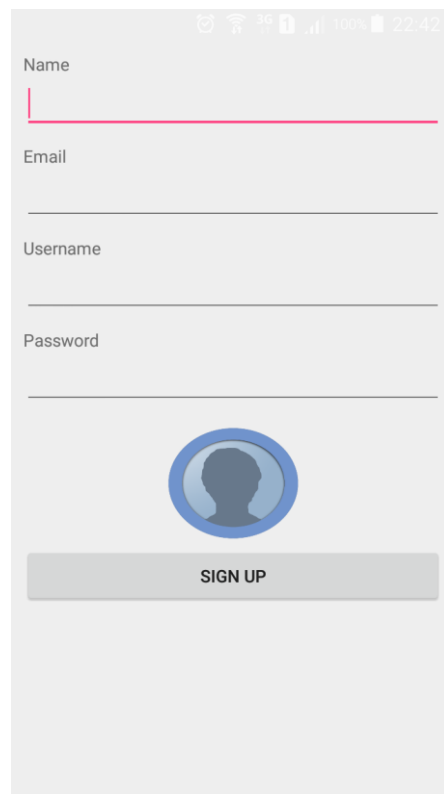
[sc9v9@mail.umkc.edu](mailto:sc9v9@mail.umkc.edu)

I've created the android project named "ASEA3MapImage". I've created two views, one for signup and the second one is for displaying the current user location with user photo as marker.

Below are the screenshots of the application activities.

### **Main Signup Screen:**

Signup page includes Name, Email, Username, Password and a photo upload button and submit button as shown below.



The screenshot shows the main signup screen of an Android application. At the top, there is a status bar with icons for alarm, Wi-Fi, 3G, battery, and signal strength, along with the time 22:42. Below the status bar, the screen has a light gray background. There are four text input fields stacked vertically, each with a label above it: "Name", "Email", "Username", and "Password". The "Name" field has a red vertical line on the left side of the input area. Below the "Password" field, there is a circular icon with a blue border and a dark blue silhouette of a person's head and shoulders. At the bottom of the screen, there is a gray rectangular button with the text "SIGN UP" in black capital letters.

## Validations:

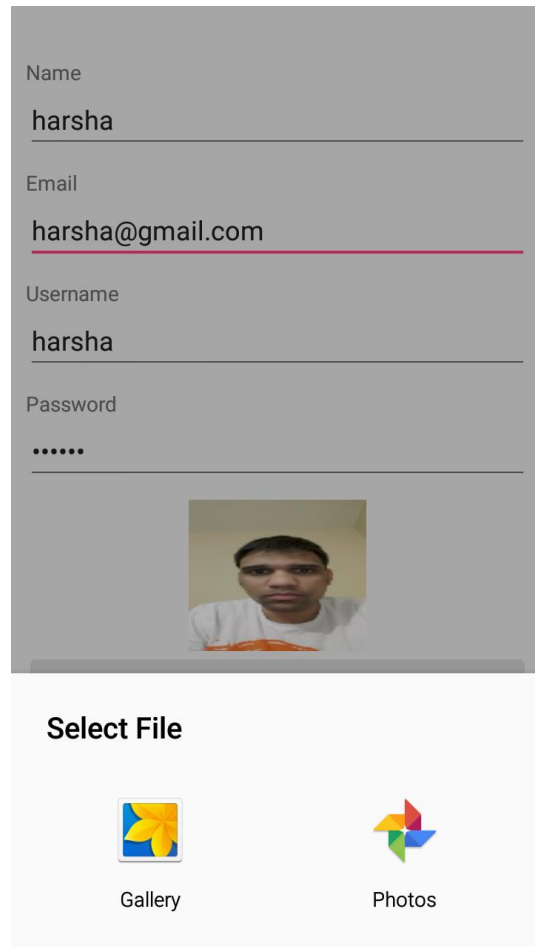
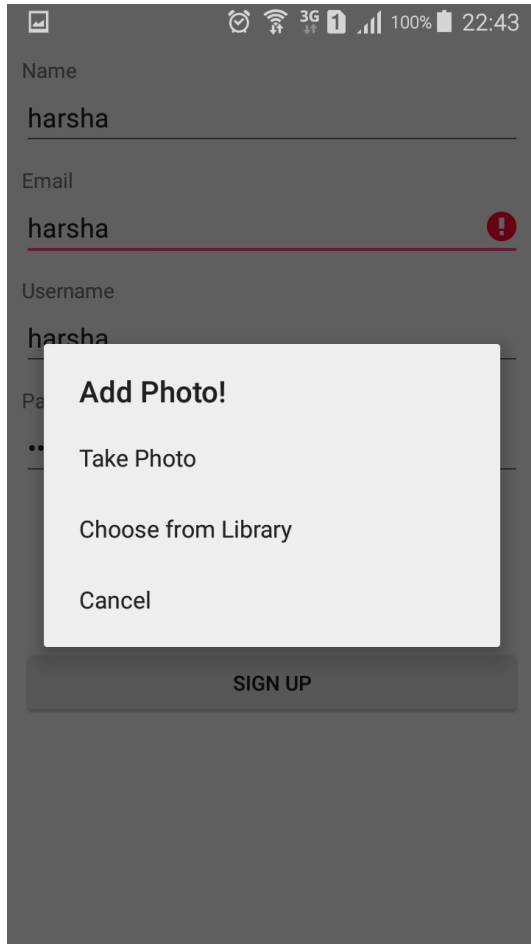
I've added validations for the input fields. Below screenshot demonstrates the validation of each field.

This screenshot shows a sign-up form with four input fields: Name, Email, Username, and Password. Each field has a red exclamation mark icon to its right, indicating a validation error. A black tooltip with the text "at least 3 characters" is positioned over the Email field. Below the fields is a blue circular profile icon and a grey "SIGN UP" button.

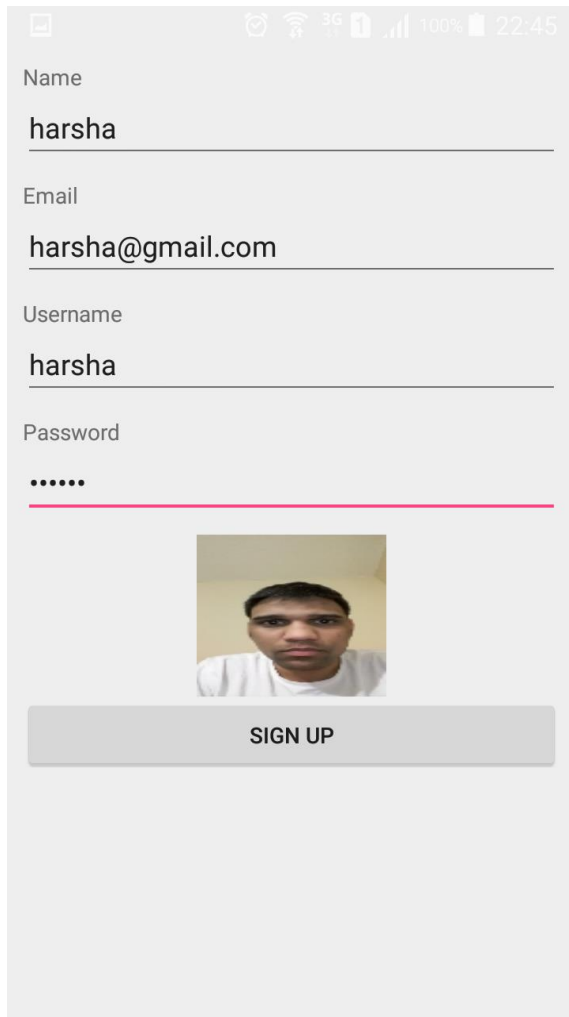
This screenshot shows the same sign-up form. The Name and Password fields are now empty and no longer have error icons. The Email field still has a red exclamation mark, and the Username field has a red exclamation mark. A black tooltip with the text "enter a valid email address" is positioned over the Username field. The "SIGN UP" button remains at the bottom.

This screenshot shows the sign-up form with the Email field being edited. The Name field contains "harsha", the Username field contains "harsha", and the Password field contains six dots. The Email field contains "harsha" and has a red exclamation mark. A black tooltip with the text "enter a valid email address" is positioned over the Username field. A keyboard is visible at the bottom of the screen, showing the text "Harsha harsha harsha...gmail" in the suggestions bar.

For profile picture upload option, I've added two options. 1. Take a picture using camera or 2. Select an image from gallery. Below screenshots demonstrates the developed functionality.



After selecting the image, user will click on signup option. Next the user will be redirected to another page, where his current location will be displayed with his profile picture as marker on the map. Below screenshots explain the final outputs.



A screenshot of a mobile application's signup form. The form is displayed on a light gray background. At the top, there is a status bar with icons for signal, Wi-Fi, and battery, along with the time 22:45. The form contains four input fields: 'Name' with the text 'harsha', 'Email' with 'harsha@gmail.com', 'Username' with 'harsha', and 'Password' with six dots. Below the password field is a small square profile picture of a man. At the bottom of the form is a gray button with the text 'SIGN UP'.

