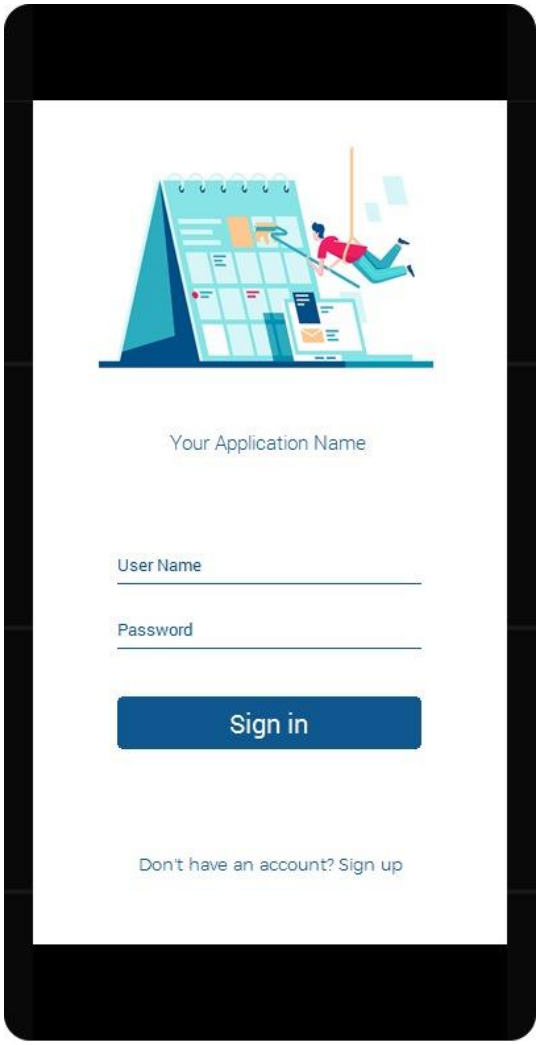
Assignment 2

In this assignment, you will practice using different layouts and UI controls by developing the initial part of a personal task management app.

Login form:

This is the first activity of the app, where the user can login with his/her credentials. When app is opened for the first time, the user needs to click the sign up button to sign up as a new user and then get back to login page to sign in.

At the top, there should be the centered logo image of your app, followed by the app title. The sign up button should be attached to the bottom of the page.



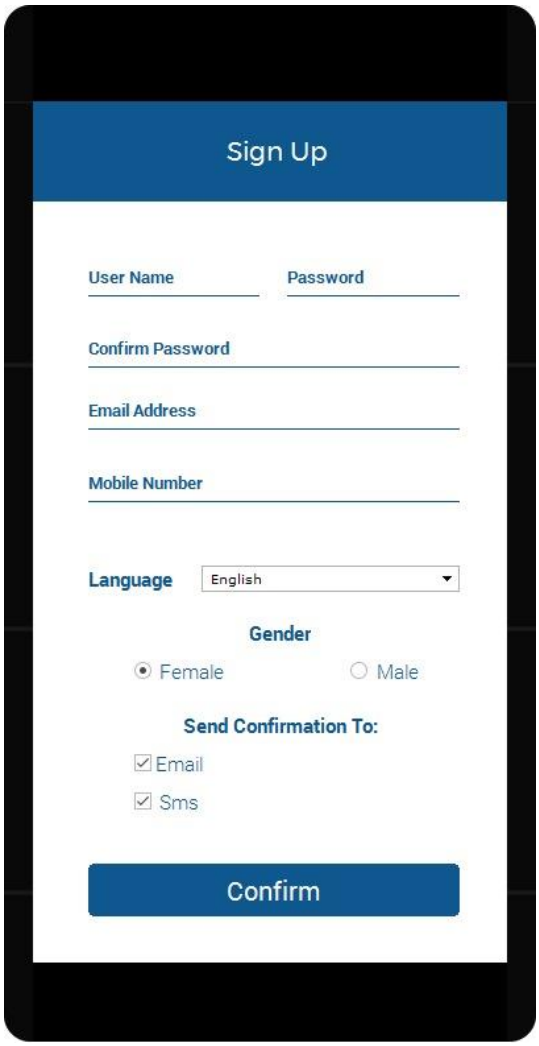
Sign Up form:

In this form, basic info of a new user should be entered, and then user should click the *Confirm* button, which will open the login page again. The entered user data should be stored using Shared Preferences, so that after closing and re-opening the app, user can still sign in using these credentials.

The user preferred language should be chosen through a drop-down menu with a few languages to select. You should use a Spinner for this drop-down.

Also you should use RadioButton for gender, and Checkbox for confirmation type.

Note that the Confirm button should be fixed at the bottom of the page, so if the content of the form is long enough to cause scroll, only the form should be scrolled and the button should always remain visible.



Main page:

When the user logins successfully, this page should be opened. The application logo and name are on the top, while multiple buttons are below them, similar to the figure below.

If the user clicks the *Profile* button, a dialog should be opened (through the AlertDialog class), and just show the main personal data of the user (loaded from Shared Preferences) in a few lines of text, including the user name, email, mobile number, preferred language, gender, and preferred confirmation type.

The *Exit* button should just close the app and user will need to login again to open the app.

Clicking on other buttons should just show a Toast message, for example sth like *Due Tasks is not implemented yet!* You'll implement these features in your next assignments.

Notes about Implementation:

You should respect common implementation notes mentioned in your previous assignment in this assignment too. In addition:

1. You should try to use a combination of different layout types in your app. For this assignment, your app should at least include LinearLayout, RelativeLayout, ConstraintLayout and ScrollView, each of which used where it is appropriate. You should also use the weights feature of LinearLayout at least once. You should not use any kind of dynamic list or grid view for this assignment.

2. All the user-entered forms in the app should include at least some basic validation. For example, if the user enters wrong username or password in the login form, or does not enter some of the required fields in the sign up form, an error Toast message should be shown.

3. You should set the proper input type for all the EditTexts you use in the app. For example, the proper input types for password, phone number, and name are different.

Notes about Submission:

You should submit a zipped file which includes both your root project folder and the final APK file of your project. You can find the generated APK file of your project in the path *YOURPROJECT/app/build/outputs/apk* on disk.

In order to reduce the size of the project for submission, you can remove the build folder of your project, which is in the path *YOURPROJECT/app/build*. Make sure to get out the APK file before removing this folder.