

# Android App Development

## Assignment 2

**Task:** Create a mobile application that contains two activities.

### **First Activity (Main Activity):**

1. Design the layout of the first activity to include two text fields (EditText) and a login button.
2. One text field is for email and the other is for password.
3. Implement text watchers on both fields to enable or disable the login button based on specific conditions:
  - a. For the email field, the input must be a valid email address.
  - b. For the password field, the input must be a minimum length of six characters.
4. When the user clicks on the login button, it should navigate them to the second activity.

### **Second Activity (Mode Activity):**

1. The second activity should include a button named "Set Mode".
2. When the user clicks on the button, it should show a popup menu with three options:
  - a. Light Mode
  - b. Night Mode
  - c. System Mode
3. Implement the up button (Ancestral Navigation) on the mode activity, so the user can easily navigate back to the main activity.

**Additional Feature:**

1. When the user presses the back button on the main activity, they should not be immediately exited from the application.
2. Instead, a snack bar should appear, informing them that they need to double-press the back button to exit.
3. If the user presses the back button again, they should be exited from the application.

Good luck with your assignment!