

## 2024 – Lab Exam 02

This lab exam your android design skills will be evaluated. For this you need to use Android XML. This project aims to assess your ability to create functional, aesthetically pleasing, and user-friendly UI designs that adhere to Android development best practices.

### Task Overview:

You are tasked with designing the UI for an app idea that you are passionate about or find interesting. This can be anything from a productivity app, a social media platform, a fitness tracker, to a game. The key is to showcase your creativity, understanding of UI/UX principles, and your ability to implement these designs using XML in Android Studio.

### Requirements:

1. Ideation (2 Marks)
  - The idea should be suitable for a mobile application.
  - Outline the target audience and the problem it solves.
  - Highlight the core features of the app.
2. Applying “60-30-10 rule” when deciding the colors. (2 Marks)
  - Primary Color(s)
  - Secondary Color(s)
  - Accent Colors(s)
  - Usage of the colors.xml file
3. Selecting suitable layouts (2 Marks)
  - Linear layouts – Horizontal or Vertical
  - Constraint layouts
  - Frame Layouts
  - Scroll views.
  - (you need to add adequate margin and padding)
4. Using proper views for the user interface (2 Marks)
  - TextView
  - EditText
  - Button
  - ImageView
  - Etc. (search from the internet and apply)
  - Usage of the Strings.xml file

5. Interactivity (1 Mark)
  - Use intent to navigate between the screens.
  - You don't have to implement the actual functionalities.
6. Creativity (1 Mark)
  - Out of the box thinking
  - Overall aesthetics

**Submission Guidelines:**

1. Create a document including the following.
  - Description about the application
  - Screen Shouts of the UIs
  - Copy the content of xml files of Strings and Colors
2. Upload the PDF document to the courseweb.
3. Please note that if you do not upload the document to the correct link you will be penalized with minus 2 marks.