

PRACTICAL EXAM

TIME: 100 minutes

1. Create Project (0.25)

-Project name: PE_PRM392_Student Code

-For example:

Student Code: Hieuttde150177

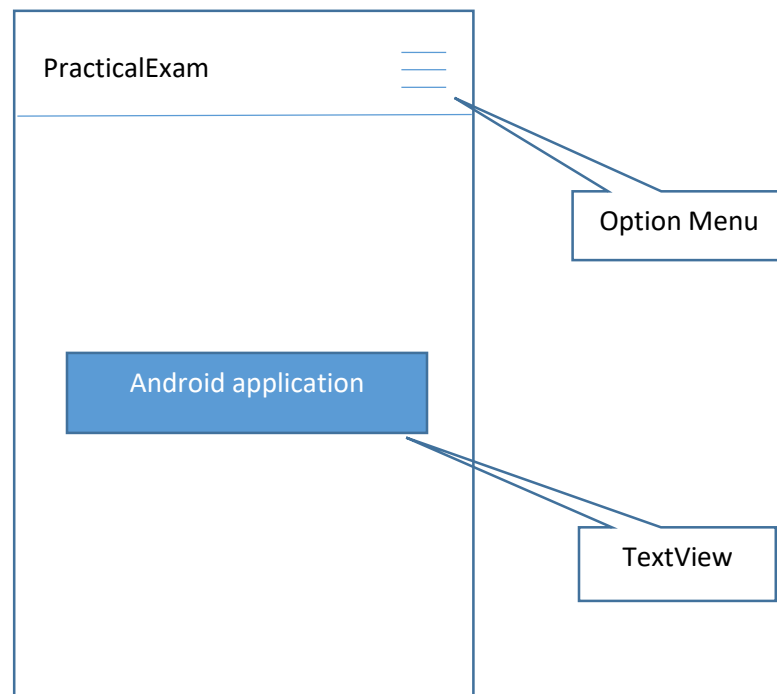
-> Project name: PE_PRM392_Hieuttde150177

2. Main activity: (1)

-Create Option Menu:

+Click “SQLite”: Open SQLiteActivity

+Click “API”: Open ApiActivity



3. SQLiteActivity: (4.75)

-Use SQLite / Room Database to create database (1.25):

Database name: StudentDB

Table name: Student(id, name, email)

-Validate the data (0.5) and add data to the database (1.5)

-Display data on RecyclerView (1.5)

A UI mockup for a student management application. It features three input fields labeled 'ID', 'Name', and 'Email' stacked vertically. Below these fields is an 'Add' button. At the bottom of the form is a table with 3 columns and 3 rows, representing a list of students. A blue callout box labeled 'RecyclerView' points to the table.

4. ApiActivity: (4)

-Check and request Internet permission (1.5)

-Load data from Api and display data on RecyclerView (2.5):

<https://jsonplaceholder.typicode.com/todos>

A UI mockup for displaying a list of todos. It shows a list of three items, each with a 'Completed' checkbox. A blue callout box labeled 'RadioButton' points to the first 'Completed' checkbox.

UserId: ... Id: ... Title: ... Completed <input type="checkbox"/>
UserId: ... Id: ... Title: ... Completed <input type="checkbox"/>
UserId: ... Id: ... Title: ... Completed <input type="checkbox"/>