Mid term

Name: Yastee Shah

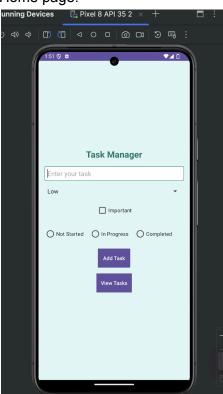
ID: 1227980

Subject: (2024A) COMP-5450-AA - Mobile Programming

Ques2:

App name: TaskManager

Home page:



We can add multiple Tasks here along with the level of weightage for the particular task. Along with this, we can also check if it is very important. This app also facilitates to mark the status of the task, whether it is not started, in progress or completed. Add task button is used to save the filled data.

Output for the spinner, dropdown with the list of 3 options:



On clicking the View Tasks button, all the tasks that are added are listed down on another GUI view.



Codes:

Activity_main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  android:orientation="vertical"
  android:gravity="center"
      android:id="@+id/title"
      android:layout height="wrap content"
      android:textSize="24sp"
      android:layout marginBottom="16dp"
      android:textColor="#00796B" />
   <EditText
      android:id="@+id/taskInput"
      android:layout width="match parent"
      android:layout marginBottom="16dp" />
      android:layout height="wrap content"
      android:layout marginBottom="16dp" />
   <CheckBox
      android:id="@+id/importantCheckBox"
      android:text="Important"
      android:layout marginBottom="16dp" />
      android:layout width="match parent"
      android:layout height="wrap content"
      android:layout marginBottom="16dp">
```

```
android:layout width="wrap content"
          android:layout height="wrap content"
          android:text="Not Started" />
          android:layout width="wrap content"
          android:layout height="wrap content"
          android:text="In Progress"
          android:layout marginStart="16dp"
          android:layout marginLeft="16dp" />
          android:layout width="wrap content"
          android:layout height="wrap content"
          android:text="Completed"
          android:layout marginStart="16dp"
          android:layout marginLeft="16dp" />
  </RadioGroup>
      android:id="@+id/addTaskButton"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:textColor="@android:color/white"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="View Tasks"
      android:padding="12dp"
      android:layout marginTop="16dp" />
/LinearLayout>
```

Exit text bg.xml

```
</shape>
```

Colors.xml

<resources>

```
<color name="button_background">#00796B</color>
</resources>
```

Strings.xml

<resources>

Activity_task_list.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp"
    android:background="#E0F7FA">

    <TextView
        android:id="@+id/title"
        android:layout_width="wrap_content"
        android:text="Task List"
        android:textSize="24sp"
        android:layout_marginBottom="16dp"
        android:textColor="#00796B" />

    <TextView
        android:id="@+id/tasksList"
        android:textSupt="bold"
        android:textSupt="bold"
        android:textSupt="bold"
        android:textSupt="match_parent"
        android:dayout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="No tasks added yet."
        android:textSize="16sp"</pre>
```

```
android:textColor="#004D40" />
</LinearLayout>
```

TaskListActivity.xml

```
package com.example.midterm_que2
import android.os.Bundle
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity

class TaskListActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_task_list)

    val tasksListTextView: TextView = findViewById(R.id.tasksList)

    val tasks = intent.getStringArrayListExtra("tasks") ?: arrayListOf()
    if (tasks.isNotEmpty()) {
        tasksListTextView.text = tasks.joinToString("\n")
    } else {
        tasksListTextView.text = "No tasks added yet."
    }
}
```

MainActivity.kt

```
import android.content.Intent
import android.os.Bundle
import android.widget.*
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

   private lateinit var taskInput: EditText
   private lateinit var prioritySpinner: Spinner
   private lateinit var importantCheckBox: CheckBox
   private lateinit var statusRadioGroup: RadioGroup
   private lateinit var addTaskButton: Button
   private val tasks = mutableListOf<String>()
```

```
override fun onCreate(savedInstanceState: Bundle?) {
      super.onCreate(savedInstanceState)
      setContentView(R.layout.activity main)
      taskInput = findViewById(R.id.taskInput)
      prioritySpinner = findViewById(R.id.prioritySpinner)
      importantCheckBox = findViewById(R.id.importantCheckBox)
      addTaskButton = findViewById(R.id.addTaskButton)
      addTaskButton.setOnClickListener {
           addTask()
           viewTasks()
AdapterView.OnItemSelectedListener {
           override fun onItemSelected(parent: AdapterView<*>?, view:
android.view.View?, position: Int, id: Long) {
          override fun onNothingSelected(parent: AdapterView<*>?) {
      val task = taskInput.text.toString().trim()
      val priority = prioritySpinner.selectedItem.toString()
      val important = if (importantCheckBox.isChecked) "Important" else "Not
           tasks.add("$task (Priority: $priority, $important, Status:
```

AndroidManifest.xml

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
      android:allowBackup="true"
      android:fullBackupContent="@xml/backup rules"
      tools:targetApi="31">
           android:exported="true">
           <intent-filter>
      </activity>
  </application>
/manifest>
```