IT2010 – Mobile Application Development
BSc (Hons) in Information Technology
2nd Year
Faculty of Computing
SLIIT

2025 – Lab Exam 03
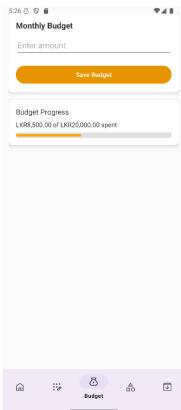**Report**

Student ID	IT23354692
Batch	05.01
Marking Guide	

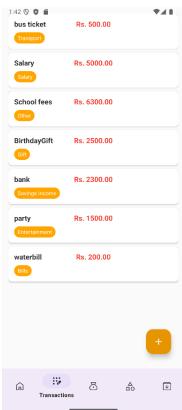|		
1. **Functionality**: How well the core and bonus features are implemented	**4**	
2. **Creativity & Usability**: Clean and intuitive UI/UX design	**2**	
3. **Validation & Error Handling**: Proper input validation, error handling, and user feedback implementation	**2**	
4. **Data Persistence**: Proper use of **SharedPreferences** and **Internal Storage**	**2**	
Total Marks	**10**	
Evaluator		

Description :

Smart Budget is a user-friendly Kotlin-based finance tracker app designed to help you manage income, expenses, and savings effortlessly. With five intuitive tabs—Dashboard (financial overview), Transactions (add transactions based on categories/edit/delete transactions), Categories (custom spending groups), Budget (set monthly budget limits with alerts), and Backup (secure data export/import)—it ensures organized money management. The app meets all IT2010 Lab Exam 03 requirements, including SharedPreferences for data persistence, Internal Storage for backups, and Notifications for budget warnings. Simple, functional, and clean, Smart Budget turns financial tracking into a seamless habit.

Screenshots:

Screen 1

Spending by Category
Track where your money goes

Expenses

Other | Entertainment | Transport | Bills | Expenses

○ Other		Rs. 6300.00
74.1%		

○ Entertainment		Rs. 1500.00
17.6%		

○ Transport		Rs. 500.00
5.9%		

○ Bills		Rs. 200.00
2.4%		

Categories

Screen 2

○ Bills		Rs. 200.00
2.4%		

Income

Salary | Gift | Savings income | Income

○ Salary		Rs. 5000.00
51.0%		

○ Gift		Rs. 2500.00
25.5%		

○ Savings income		Rs. 2300.00
23.5%		

Categories

Screen 3

Backup and Restore

Export Data

Import Data

No backups created yet

Recent Backups

backup_1745581779053.json
25/04/2025 17:19

backup_1745580605306.json
25/04/2025 17:00

backup_1745578496544.json
25/04/2025 16:24

backup_1745576677100.json
25/04/2025 15:54

backup_1745565139094.json
25/04/2025 12:42

backup_1745564703059.json
25/04/2025 12:35

backup_1745562004508.json
25/04/2025 11:50

Backup

Screen 4

Sign Up

Username

Password

Confirm Password

SIGN UP

Already have an account? Sign In

Sign In

Username

Password

Sign In

Sign in with Google

Don't have an account? Sign Up

Content of xml files of Strings and Colors:

Strings
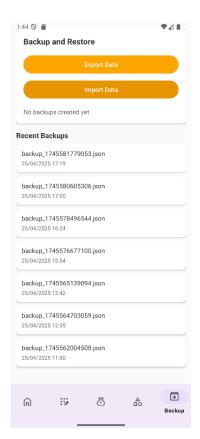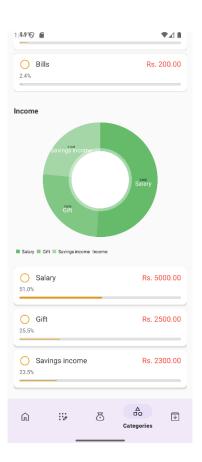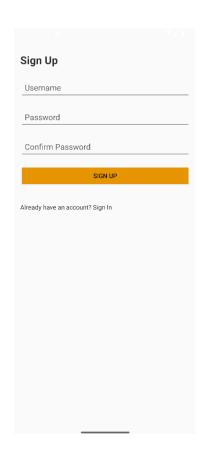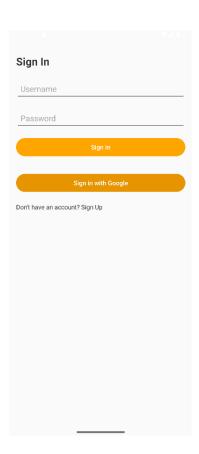
```xml
<resources>
    <string name="app_name">testfin</string>
    <string name="Title" ></string>
    <string name="backup">Backup and Restore\n</string>
    <string name="recent_backups">Recent Backups</string>
    <string name="no_backup">No backups created yet</string>
    <string name="monthly_budget">Monthly Budget</string>
    <string name="progress">Budget Progress</string>
    <string name="category_topic">Spending by Category</string>
    <string name="category_sub">Track where your money goes</string>
    <string name="pie_expenses">Expenses</string>
    <string name="pie_income">Income</string>
    <string name="Name">Name</string>
    <string name="current_balance">Current Balance</string>
    <string name="signIn">Sign In</string>
    <string name="googleSignIn">Sign in with Google</string>
    <string name="signUp">Sign Up</string>

</resources>
```

Colors

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="black">#FF000000</color>
    <color name="white">#FFFFFFFF</color>

    <!--text colors-->
    <color name="textPrimary">#333333</color>
    <color name="textSecondary">#666666</color>

    <!--Main colors-->
    <color name="colorPrimary">#FFFFFF</color>
    <color name="cardStroke">#E0E0E0</color>
    <color name="colorSecondary">#E69500</color>
    <color name="colorAccent">#ffa500</color>
    <color name="colorBackground">#FAFAFA</color>

    <color name="expenseColor">#F44336</color>
    <color name="incomeColor">#4CAF50</color>
    <color name="warningColor">#FFA000</color>

</resources>
```