



Session 3: User Interface Designing

Assignment

ACADGILD

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Assignment –Implement the credit card app.

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ANDROID

1. Introduction

This assignment will test your skills on android app user interface interaction learnt in the class.

2. Objective

This assignment will help you to master the following concepts:

- android studio
- event handling

3. Prerequisites

ACD_AN_Session_2_Assignment_3_Main

4. Associated Data Files

Not applicable.

5. Problem Statement

Implement the calculation of credit card,

Use below mentioned formulas and steps while writing logic:

1. card balance will become your principal.
2. $\text{monthlyfloatInterestPaid} = \text{Math.round}((\text{principal} * (\text{rate} / (100 * 12))))$
3. $\text{monthlyPrinciple} = \text{minimum_payment} - \text{monthlyfloatInterestPaid}$
4. $\text{monthlyBalance} = \text{principal} - \text{monthlyPrinciple}$
5. For counting next month use below formula and repeat the step 2,3,4,5.
 $\text{principal} = \text{monthlyBalance}$
6. For calculating how many months you have to pay use count variable for step 5.

6. Expected Output

Should display calculated remaining card balance, months remaining & interest to be paid.

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7. Approximate Time to Complete Task

45 mins