Low Level Design Document

For

Banking Application

A Console based banking Applications

INeuron Intelligence Private Limited

Written By	Sukumar Tusam
Document Version	0.3
Last Revised Date	9 – July -2023

Document Version Control

Change Record:

Version	Date	Author	Comments
0.1	12 – June -2023	Sukumar Tusam	Introduction & Architecture defined
0.2	12 – June -2023	Sukumar Tusam	Architecture & Architecture Description appended andupdated
0.3	13 – June -2023	Sukumar Tusam	Unit Test Cases defined and appended

Reviews:

Version	Date	Reviewer	Comments
0.2	09 – June -2023	Sukumar Tusam	Document Content, Version Control and Unit TestCases to beadded

Approval Status:

Version	Review Date	Reviewed By	Approved By	Comments

Table of Contents

Introduction

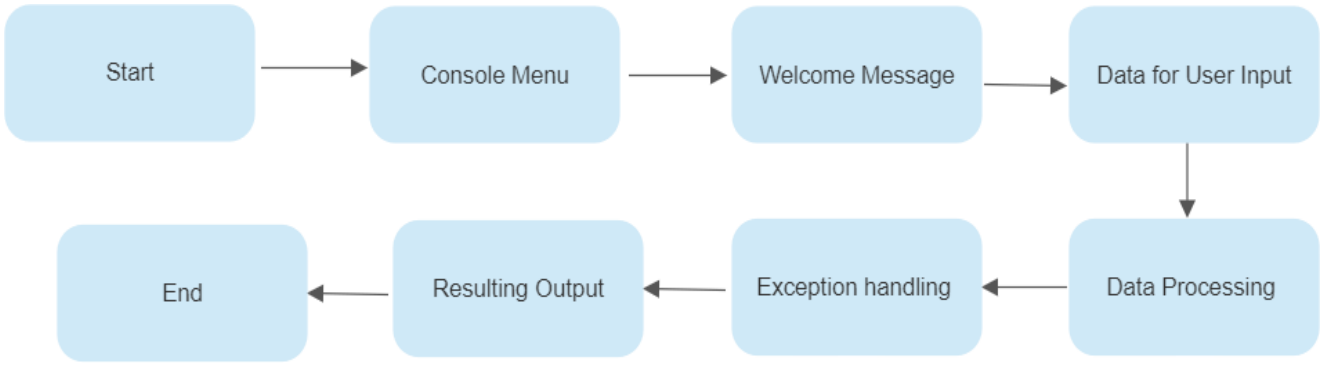
1.1 What is Low-Level design document?

The goal of LLD or a low-level design document (LLDD) is to give the internal logical design of the actual program code for Food Recommendation System. LLD describes the class diagrams with themethods and relations between classes and program specs. It describes the modules so that the programmer can directly code the program from the document.

1.2. Scope

Low-level design (LLD) is a component-level design process that follows a step-by-
Step refinement process. This process can be used for designing data structures, required software architecture, source code and ultimately, performance algorithms. Overall, the data organization may be defined during requirement analysis and then refined during data design work.

2. Architecture:



3. Architecture Description:

3.1. Data for User input:

User will input data based on their requirements.

3.2. Data Processing:

Whatever data user has given as input will be processed.

3.3. Exception Handling:

If any exception or error occurs then Exception will be handled for smooth termination of the program.

3.4. Resulting Output:

After processing the user's data and handling errors, the result will be shown on the console as output.

3.5. Deployment:

We will be deploying this Application to GitHub.
This is a workflow diagram for the banking application (Console based).

4 . Unit Test Cases:

Test Case Description	Pre-Requisite	Expected Result
Verify whether the Application takes user input.	1. Application data input should be defined.	Application should be able to take user input.
Verify whether the Application is able to deposit money or not.	1. Deposit functionality should be defined	The Application should deposit amount from user.
Verify whether the User is able to withdraw money or not.	1. Application withdraw accessible	The User should be able to withdraw money From this application.
Verify whether user is able to check balance or not.	1. Application is accessible 2. User click on check balance option.	User should be able to check the amount or balance successfully.
Verify whether user is able to input negative withdrawal amount	1. Application is accessible 2. User gave negative amount as input for withdrawal.	User should not be able to input negative input. Error message should display.
Verify whether the application is able to take wrong input or not.	1. Application is accessible 2. User give wrong input or invalid input.	Application should not be taken wrong input, rather it should display “invalid input. Provide right input”.