***HLD (HIGH LEVEL DESIGN)***

**Project name: ATM interface (console-based application)**

The project I have created is an ATM interface which is a console-based application. The interface is a user-friendly interface and it's very easy to use.

**1 Introduction:-**

1.1 Why this High-Level Design Document

1.2 Scope

**2 General Description:-**

2.1 Software requirements

2.2 Hardware requirements

**3 Project Functions:-**

3.1 The ATM interface provides the following services: -

1 Introduction:-

1.1 Why this High-Level Design Document?

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to

the current project description to represent a suitable model for coding. This document is

also intended to help detect contradictions prior to coding and can be used as a reference

manual for how the modules interact at a high level.

The HLD will:

● Present all of the design aspects and define them in detail

● Describe the user interface being implemented

● Describe the hardware and software interfaces

● Describe the performance requirements

● Include design features and the architecture of the project

● List and describe the non-functional attributes like:

o Security

o Reliability

o Maintainability

o Portability

o Reusability

o Application compatibility

o Resource utilization

o Serviceability

1.2 Scope:-

The HLD documentation presents the structure of the system, such as the database

architecture, application architecture (layers), application flow (Navigation), and technology

architecture. The HLD uses non-technical to mildly-technical terms which should be

understandable to the administrators of the system.

**2 General Description:-**

2.1 Software Requirments:-

● Operating system: Most programming Languages and tools are cross-platform

and can run on Windows, macOS, and Linux. Choose an operating system that

you are comfortable with and that supports the tools and Frameworks that you

plan to use.

● JDK: For developing Java programs and compiler Javac. It also consists

Of JRE which has JVM where execution of the program starts.

● Ide: Eclips.

2.1 Hardware Requirments:-

● Processor: A modern processor, such as an Intel i5 or i7, or an AMD Ryzen processor,

can handle most programming tasks. The more cores and threads a processor has,

the better it can handle multitasking and running multiple programs at once.

● Memory: At least 8GB of RAM is recommended for programming. This will ensure that

your computer can handle running multiple programs at once without slowing down.

● Storage: A solid-state drive (SSD) is recommended for programming as it provides

faster read and write speeds compared to a traditional hard drive. A storage capacity

of at least 256GB is recommended to ensure that you have enough space for your

code, tools, and other files.

**3 Project Function:-**

3.1 The ATM interface provides the following services: -

1) Shows Transaction history

2) Withdraw

3) Deposit

4) Transfer

5) Quit.

section, here the user has to enter the pin which is set by the user and then only all the other services are available for the user. After performing all the required services provided by the user, they can quit the application by the quit option. This will take the user back to the login page. Where another user can login. The app is focusing on security and user satisfaction.