# **Savings Application HLD Document:**

**Functional Requirements:**

1. Able to create a new Savings Account.
2. Display balance when and where required.
3. Deposit or withdraw amount into the account based on a unique key.
4. Display list of transactions.

**Non-Functional Requirements:**

1. Lightweight and fast.
2. Easy to use.
3. Interactive.
4. Handle high loads.

**Input/Output of the program:**

Respective functionalities require inputs which are self-explanatory, and output of these functionalities is straightforward and minimal. Outputs and inputs are in the form of text.

**Platform used**:

The whole application is built using the **Spring boot framework of java**. PostgreSQL database has been used to store and retrieve data from the database which acts a storage point for user data.

**Flow of the program:**

1. Functional and Non-Functional Requirements are taken into consideration.
2. Structure and flow of the application is decided based on requirements.
3. Technologies or platforms used are finalized according to the structure.
4. Functionalities are separated into components and are built separately.
5. Testing of every component is done with various test cases.
6. The components are put together and application testing is done.
7. Application is released for build.