**Requirements Document**

**Banking ATM (Automated Teller Machine)**

**Version History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Comments** |
| V1.0 | Ankit Agrawal | 12-Jan-2023 | Initial Draft |
| V2.0 | Rasik Bihari | 17-Jan-2023 | Added use case to withdraw money. Also made corrections at few places. |
|  |  |  |  |

Contents

[1. Introduction 4](#_Toc124436548)

[1.1 Overview 4](#_Toc124436549)

[1.2 Entities 4](#_Toc124436550)

[1.3 Functional requirement 4](#_Toc124436551)

# Introduction

## 1.1 Overview

This document describes the software requirements for an automated teller machine network (ATM). It is intended for the developer of the ATM. The application will run on a web browser.

## 1.2 Entities

System will cover/involve following entities

* Bank
* Bank Account (account will have customer name, address, phone no etc)
* Account type
* ATM card
* Transaction
* ATM machine.
* User -
  + Super admin can add/deactivate/activate bank
  + Admin can enable/disable/issue/reissue ATM card, can open close account
* Role

## 1.3 Functional requirements

* A person can have more than one account in a bank.
* A person can have account in 1 or more banks.
* A person can or cannot have ATM of an account
* ATM card can be used only for saving account type.
* ATM card should have expiry.
* On every renewal a new ATM with new and unique id should be generated.
* ATM can be enabled/disabled at any time.
* User can withdraw money from ATM machine after punching him ATM PIN.
* There should be a minimum transaction amount.
* Last five transactions can be listed out.
* Debit card should be blocked after 3 wrong attempts.
* There should be a limit on maximum transaction amount per day by ATM. It should be configurable on bank-to-bank basis.
* There should be a limit on maximum amount per transaction. configurable on bank basis.
* ATM machine can be in working or in non-working state.
* ATM machine can have maximum configurable x amount
* ATM wise history.
* Account can be in closed state. If it is so, then no transaction will be permitted.