**PROJECT BankSimulator**

Version history

|  |  |  |  |
| --- | --- | --- | --- |
| Version no | Date | Changes | Done by/Approved by |
|  |  |  |  |
| 1.0 |  | Document done |  |
| 0.01 |  | Base document | Phe |

## CONTENT

# PROJECT DESCRIPTION

The project is part of a software engineer study plan. The project team aimed to develop software used to simulate the functionality of the ATM. The software connects to the database of the bank service and provides an interface to the bank account of the user identified by ID-card number and PIN-code. After reading the card and entering the PIN, user is able to withdraw or deposit money, view previous account events and pay bills.

# PROJECT SCHEDULE AND OUTCOMES

Project had 4 weeks schedule and was finished in time. The software works as it is supposed to. The user can login to the bank interface by providing a valid bank card and PIN-code. After logging in, the user can perform the specific ATM operations.

1. **OVERALL ASSESSMENT OF PROJECT IMPLEMENTATION**

At first the project had some difficulties getting started due to lack of guidance. However once we got the project started and had some sort of foundation, everything went quite smoothly forward.

# EXPERIENCE OF USED TOOLS

Qt Creator had some issues with drivers and other plugins, but they got solved. Git also had some merging conflicts. MYSQL-workbench, RFID-reader and StarUML worked as intended.

1. **ASSESSMENT OF THE PROJECT SUCCESS**

Every expectation was met and even surpassed. Required core functions work and bonus features are also added.

1. **PERSONAL EXPERIENCES AND LEARNING**

The project offered an excellent insight into the documentation and the whole development process. It also provided a great overview about the Qt Application framework.

1. **STUDY SELF ASSESSMENT**

GitHub and its usage through Git went more in-depth than previously with all of its conflicts. Also slots and signals alongside timer and DLL functionality brought a lot of new valuable information.