**1. REQUIREMENTS**

**1. 1 Software Used**

* IDE : Codeblocks version
* Compiler : MinGW compiler

**1.2 Header Files Required**

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| **Requirement ID** | **Header File** | **Description** |
| RQ\_H\_01 | <stdio.h>  (Standard input-output header) | Used to perform input and output operations in C. |
| RQ\_H\_02 | <stdlib.h>   (Standard library header) | Perform standard utility functions. |
| RQ\_H\_03 | <windows.h>   (Windows specific header file) | Contains declarations for all of the functions in the Windows API. |
| RQ\_H\_04 | <stdbool.h>  (Standard library header) | Contains four macros for a Boolean data type. |

**1.3 Functions Required**

**1.3.1 Functions for Bank Management System**

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| **Requirement ID** | **Function** | **Description** |
| RQ\_F\_01 | void menu() | This function is used to access the menu of the Bank management system. It contains various function choices that the user can choose from. |
| RQ\_F\_02 | void fordelay(int) | This function is used to add required time delay to the process. |
| RQ\_F\_03 | float interest(float, float, int) | This function is used to calculate the interest. |
| RQ\_F\_04 | void new\_acc() | This function is used to gather information to create a new transaction account. |
| RQ\_F\_05 | void view\_list() | This function is used to view the details of an existing account. |
| RQ\_F\_06 | void edit(void) | This function is used to change the phone number or address of an existing account holder. |
| RQ\_F\_07 | void transact(void) | This function is used to handle both deposit and withdraw transaction operations. |
| RQ\_F\_08 | void erase(void) | This function is used to erase data of an existing account. |
| RQ\_F\_09 | void see(void) | This function is used to see how much interest the customer will get from the amount that he has deposited. |
| RQ\_F\_10 | void close(void) | This function is used to close the program. |
| RQ\_F\_11 | int atm() | This function is used to access the ATM facility. |

**1.3.2 Functions for ATM facility**

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| **Requirement ID** | **Function** | **Description** |
| RQ\_F\_12 | void mainMenu() | This function is used to access the main menu of the ATM option. |
| RQ\_F\_13 | void checkBalance(float) | This function is used to check the balance of the existing account. |
| RQ\_F\_14 | float moneyDeposit(float) | This function is used to deposit money into the existing account. |
| RQ\_F\_15 | float moneyWithdraw(float) | This function is used to withdraw money from the existing account. |
| RQ\_F\_16 | void menuExit() | This function is used to exit from the ATM feature. |
| RQ\_F\_17 | void errorMessage() | This function is used to show error messages if the entered pin number is wrong. |
| RQ\_F\_18 | int login(void) | This function is used for the login purpose of the ATM. |