**Verification Plan:**

* Insert card: let card = 1 then the system should go to LANG state – if card = 0 the system should stay in IDLE state
* Insert language: let language = 1 then the system should go to PIN state – if language = 0 the system should stay in LANG state
* Enter password: if the password is not correct, the system should stay in PIN state. If the user entered the password three times wrong, the system should go to IDLE state and the card, and the language should reset to 0. If the password is correct, then the system should go to MENU state.
* Menu: the system will check for user input. It has 4 cases (Balance – Withdraw – Deposit – Exit)
* Balance: Should return user balance
* Deposit: if the deposit value is 0 the system will return a message to change depositing amount. If not, it will increase user balance
* Withdraw: if the withdraw amount is greater than user balance, the system will return a message to change the withdraw amount. If not, it will decrease the user balance.
* Exit: If exit = 1, card and language should be reset and the system should return to IDLE state.