(Preconditions\*)

Startup

Welcome Screen

Process Flow:

1. Insert card into blinking card reader *(system allocates an ATM session identifier)*
   1. Card accepted 🡪 card reader stops blinking; **see 2**
   2. Card rejected 🡪 card can be taken or rejected; **end.**
2. Reading the card *(bank card information are checked)*
3. Validation of the card *(authentification of the user)*
   1. no communication with the 🡪 ejection of card; **end.**

bank system

* 1. inactive card or account 🡪 ejection of card; **end.**
  2. stolen bank credit 🡪 ejection of card; **end.**
  3. accepted authentification 🡪 **see 4.**

1. Validation of the password
   1. 1st attempt of password 🡪 correct; **see 5.**

🡪 wrong; **see 4b.**

* 1. 2nd attempt of password 🡪 correct; **see 5.**

🡪 wrong; **see 4c.**

* 1. 3rd attempt of password 🡪 correct; **see 5.**

🡪 wrong, card can be taken or rejected; **end.**

1. Choosing the language
   1. Polish 🡪 chosen language; **see 6.**
   2. German 🡪 chosen language; **see 6.**
   3. English 🡪 chosen language; **see 6.**
2. Main menu
   1. Check money of bank 🡪 show only on display; **see 6.**

account 🡪 print a receipt; **see 6.**

🡪 going back to main menu; **see 6.**

🡪 end this option; **end.**

* 1. Changing password 🡪 change password and confirm; **see 6.**

🡪 going back to main menu; **see 6.**

🡪 end this option; **end.**

* 1. Withdraw

c.1 fixed amount 🡪 confirm amount and receive money

🡪 print receipt; **end.**

🡪 print no receipt; **end.**

c.2 other amount 🡪 type other amount, confirm and receive money

🡪 print receipt; **end.**

🡪 print no receipt; **end.**

c.3 going back to main menu 🡪 **see 6.**

c.4 quit this option 🡪 card will be rejected; **end.**

(\* Possession of a bank card, active bank system, cash at ATM, service option of cash withdrawal must be available)