**ATM APPLICATION DOCUMENTATION**

We launch the application by double-clicking the Bankomat.exe file.

Once the application starts, a login page is displayed, prompting us to enter an account number and PIN. The PIN is masked with asterisks (\*).

When we click the login button:

* If the information is incorrect, an appropriate message is displayed ("Account number does not exist" / "Invalid PIN").
* If any field is left blank, a message appears indicating that not all fields are filled.

If login is successful, the main screen is shown. Its title displays the first and last name of the logged-in user. On the left side:

* The top label shows the user’s account number.
* The bottom label shows the user’s account balance.  
  On the right side of these labels are three buttons:
* Top: **"Withdraw Money"**
* Middle: **"Send Money"** (for transactions)
* Bottom: **"Deposit Money"**

Below the title at the top of the main window is a toolbar. Its first option is **"Account"**, which contains two functions:

* **"Change PIN"**
* **"Log Out"**  
  Next to the "Account" option is the **"Exit"** function, which closes the application.

**▸ Withdraw Money**  
Clicking the **"Withdraw Money"** button opens a new window requesting:

* The withdrawal amount
* The logged-in user’s PIN (masked).

Validations:

* If the amount exceeds the available balance → Error message.
* If fields are empty → Error message.
* If the amount contains non-numeric characters → Error message.
* If PIN is incorrect → **"Invalid PIN"**.
* If the amount is ≤ 0 → Error message.  
  After a successful withdrawal:
* The balance updates immediately on the main screen.
* The database is updated (balance persists for future logins).
* The PIN field is cleared after each attempt.

**▸ Deposit Money**  
Clicking **"Deposit Money"** opens a window requesting:

* The deposit amount
* The logged-in user’s PIN (masked).

Validations:

* Invalid PIN → **"Invalid PIN"**.
* Non-numeric amount → Error message.
* Amount ≤ 0 → Error message.  
  After a successful deposit:
* Balance updates on the main screen and in the database.
* PIN field is cleared after each attempt.

**▸ Change PIN**  
Selecting **"Change PIN"** from the Account toolbar menu opens a window requesting:

* Old PIN
* New PIN (both masked).

Validations:

* Old PIN must match the current PIN → Else, error message.
* New PIN must be exactly 4 digits → Else, error message.  
  After a successful change:
* The new PIN is used for all future logins.

**▸ Log Out**  
Selecting **"Log Out"** from the Account toolbar opens a confirmation window asking whether to log out.

* **Yes**: Returns to the initial login screen (identical to startup).
* **No**: Closes the window; application continues running.

**▸ Transactions (Send Money)**  
Clicking **"Send Money"** opens a window to enter:

* Recipient’s First Name
* Recipient’s Last Name
* Recipient’s Account Number (18 digits)
* Amount to transfer

Validations:

* First/Last name must match the recipient’s account number → Else, error.
* Amount must be > 0 and numeric → Else, error.
* Account number must be 18 digits (numeric only) → Else, error.
* Insufficient sender balance → Error message.
* **Note**: You can send money to your own account.  
  After a successful transaction:
* The amount is deducted from the sender and added to the recipient.
* Balances update instantly on the main screen and in the database.

**▸ TEST ACCOUNTS**

| **Name & Surname** | **Account Number** | **PIN** | **Initial Balance** |
| --- | --- | --- | --- |
| **Veljko Krstic** | 212121212121212121 | 1234 | 8,990 |
| **Ivan Ivanovic** | 121212121212121212 | 1111 | 110,000 |