**Bank Application README**

This application simulates a simple banking system with command-line interaction. Users can log in, perform transactions, and manage accounts based on their roles.

**Available Commands**

**General Commands**

* **login <username> <password>**
  + Logs in with the provided username and password.
  + **Example:** login john\_doe secretpass
* **logout**
  + Logs out the current user.
  + **Example:** logout

**Admin Commands**

*(Available to users with the ADMIN role)*

* **create\_user <username> <password> <initial\_balance>**
  + Creates a new user with the specified credentials and balance.
  + **Example:** create\_user jane\_smith pass123 1000
* **promote <username>**
  + Promotes a user to a higher role.
  + **Example:** promote jane\_smith
* **demote <username>**
  + Demotes a user to a lower role.
  + **Example:** demote john\_doe

**Teller Commands**

*(Available to users with the TELLER role)*

* **deposit <username> <amount>**
  + Deposits the specified amount into the user's account.
  + **Example:** deposit jane\_smith 500
* **withdraw <username> <amount>**
  + Withdraws the specified amount from the user's account.
  + **Example:** withdraw john\_doe 200

**User Commands**

*(Available to all logged-in users)*

* **send <recipient\_username> <amount>**
  + Sends the specified amount to another user.
  + **Example:** send jane\_smith 150
* **request <sender\_username> <amount>**
  + Requests the specified amount from another user.
  + **Example:** request john\_doe 75
* **approve <transaction\_id>**
  + Approves a pending transaction.
  + **Example:** approve TX123

**User Roles**

* **ADMIN**
  + Full access to all commands.
  + Can create users and manage roles.
* **TELLER**
  + Can perform deposits and withdrawals for users.
  + Cannot create users or manage roles.
* **USER**
  + Can send funds, request funds, and approve transactions.

**How to Use**

1. **Connect to the Server**
   * Use a suitable client to connect to the bank server.
2. **Log In**
   * Use the login command with your username and password.
3. **Execute Commands**
   * Enter commands based on your role and the actions you wish to perform.
4. **Log Out**
   * Use the logout command when you're done.

**Example Session**

AlphaBank> login john\_doe secretpass

SUCCESS: Logged in as john\_doe

AlphaBank> send jane\_smith 150

SUCCESS: Sent 150 to jane\_smith

AlphaBank> logout

SUCCESS: Logged out

**Notes**

* Ensure you have the necessary permissions for each command.
* Amounts should be entered as integers.
* Transaction IDs (e.g., TX123) are provided upon initiating transactions and are used for approvals.