In [9]:

```
class Account:
    def __init__(self, acc_number, password, balance=0):
        self.acc_number = acc_number
        self.password = password
        self.balance = balance
        self.transactions = []

    def __str__(self):
        return f"Account Number: {self.acc_number}, Account Balance: {self.bala

    def login(self, enter_password):
        return self.password == enter_password

    def deposit(self, amount):
        self.balance += amount
        self.transactions.append(f"Deposited: ${amount}")
        print(f"Deposited ${amount}. Current balance: ${self.balance}")

    def withdraw(self, amount):
        if amount > self.balance:
            print("Insufficient balance.")
        else:
            self.balance -= amount
            self.transactions.append(f"Withdrew: ${amount}")
            print(f"Withdrew ${amount}. Current balance: ${self.balance}")

    def check_balance(self):
        print(f"Current balance: ${self.balance}")

def main(account):
    print("Welcome!")
    while True:
        print("\nMain Menu:")
        print("1. View Account Details")
        print("2. Check Balance")
        print("3. Deposit Money")
        print("4. Withdraw Money")
        print("5. Exit")

        choice = input("Enter your choice: ")
        if choice == "1":
            print(account)
        elif choice == "2":
            account.check_balance()
        elif choice == "3":
            amount = float(input("Enter the amount to deposit: "))
            account.deposit(amount)
        elif choice == "4":
            amount = float(input("Enter the amount to withdraw: "))
            account.withdraw(amount)
        elif choice == "5":
            print("Thank you for banking!")
            break
        else:
            print("Invalid choice. Please try again.")

# Example usage
if __name__ == "__main__":
```

```python
# Create an account with account number "123456", password "pass123", and initi
    user_account = Account("123456", "pass123", 500)

# Simulate login
    password = input("Enter your password to log in: ")
    if user_account.login(password):
        main(user_account)
    else:
        print("Incorrect password.")
```

```
Welcome!

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Account Number: 123456, Account Balance: 500

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Current balance: $500

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Deposited $4500.0. Current balance: $5000.0

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Withdrew $1000.0. Current balance: $4000.0

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Deposited $0.0. Current balance: $4000.0

Main Menu:
1. View Account Details
2. Check Balance
3. Deposit Money
4. Withdraw Money
5. Exit
Thank you for banking!
```

In [ ]: