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Package: Bank

Sub-packages: Accounts and Transactions

1. Account modules:
   1. Base Account class:
      1. Deposit
      2. Withdraw
      3. Summary
   2. Savings (inherits Base) class:
      1. Inherits – Deposit, Withdraw, Summary
      2. Set Max Withdrawal for Savings
      3. Interest Rate (show interest rate)
   3. Chequings (inherits Base) class:
      1. Inherits – Deposit, Withdraw, Summary
      2. Set Max Withdrawal for Chequings
2. Cards modules:
   1. Card class:
      1. Pay
      2. Summary
   2. Credit Card (inherits Card) class:
      1. Inherits – Pay and Summary
      2. Set Credit Limit
      3. Check Credit Limit
   3. Debit Card (inherit Card) class:
      1. Inherits – Pay and Summary
      2. Type of Card
      3. Check Transaction Limit

Functions:

1. Deposit: Money goes into account
2. Withdraw: Money leaves account
   1. Pay – Money leaves account
3. Summary: Balance, Past 10 transactions
4. Set Max …: Max withdrawal amount per transaction
   1. Set Credit/Transaction Limit: Max withdrawal amount per transaction
5. Interest Rate – Show current interest rate
6. Type of Card: Debit Card Details (Type of Card, Max Transaction Limit, Owner Name)