

Internet Banking System

Use Case Diagram

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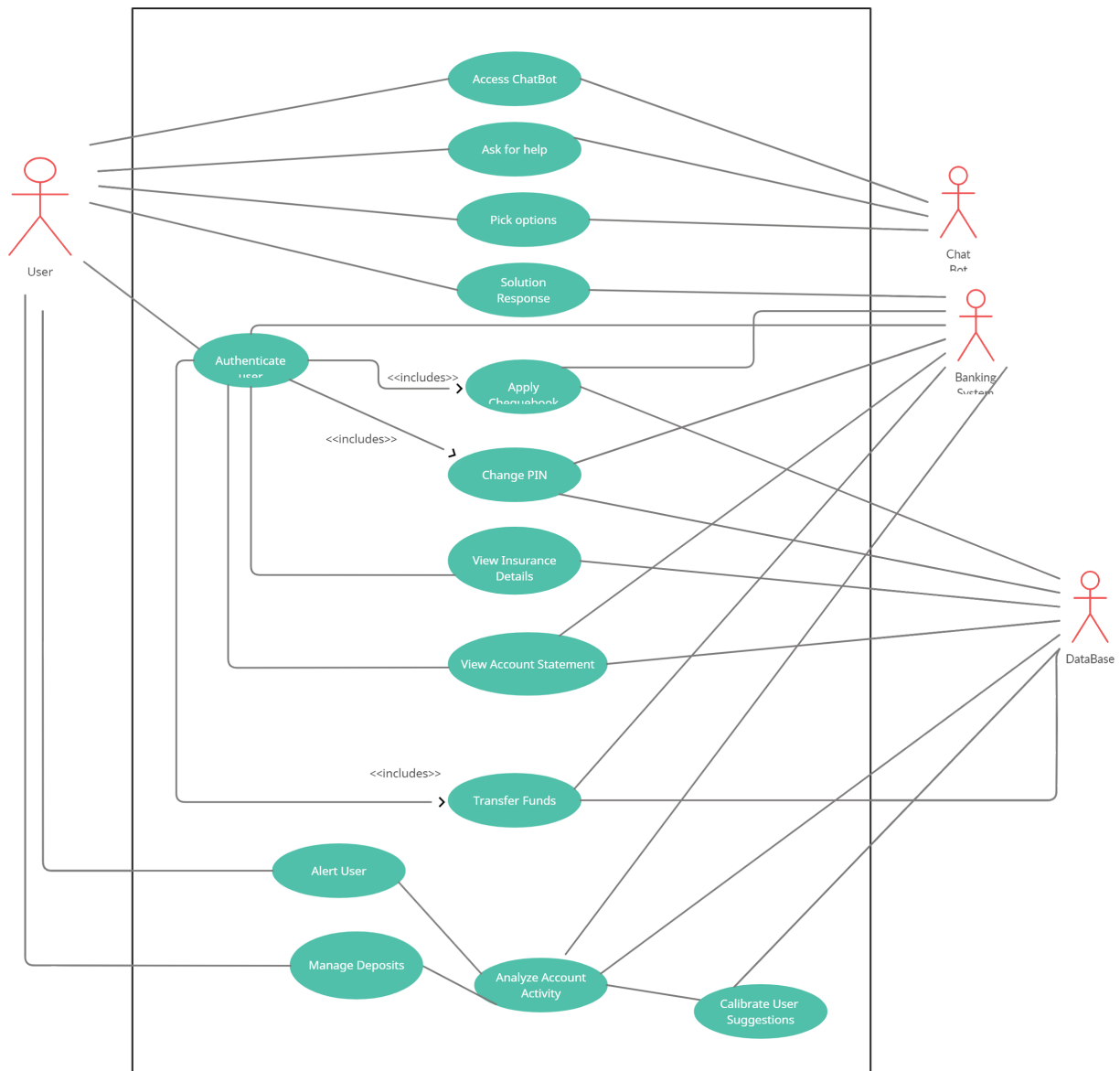
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Aim:

Creation of an UML Use case model for our problem domain.

Use Case Diagram:



USE CASE UC1- AUTHENTICATE USER

Use Case: Authenticate User

Overview: Use case to validate user identity

Primary Actor: Banking system, user

Precondition: User has opted for Internet Banking facility in the bank.

Main Success Scenario (or Basic Flow)

1. Get username and password from the user
2. Validate the provided credentials by checking with the database
3. Grant access to the user
4. Display successful login message

Extensions (or Alternate flows) :

- 2a. If the credentials don't match, then display an error message and warning.
 1. User enters the correct credentials

Post Condition: The user is taken to their homepage where all the options are displayed

USE CASE UC2- APPLY CHEQUE BOOK

Use Case: Apply Cheque Book

Overview: Use case to apply for a new cheque book

Primary Actor: User

Precondition: User has been successfully logged into the application

Main Success Scenario (or Basic Flow) :

1. Select the account for which you want to apply for a cheque book.
2. Choose the number of cheque books and number of cheque leaves
3. Submit Request
4. Get confirmation on the request

Post Condition: Cheque gets delivered to the user's address.

USE CASE UC3- CHANGE PIN

Use Case: Change PIN

Overview: Use case to change the PIN number

Primary Actor: User:

Precondition: User must own a debit card

Main Success Scenario (or Basic Flow)

1. Select the account linked to the debit card and enter card number
2. Enter Old pin
3. Enter new pin
4. Submit request
5. Display message asking user to wait for change of pin approval

Extensions (or Alternate flows) :

2a. User does not remember the old pin

1. They should contact the bank for a reset link.

Post Condition: After approval from the bank, the pin change is brought into effect.

USE CASE UC4- VIEW ACCOUNT STATEMENT

Use Case: View Account statement

Overview: Use case for the users to view their account statement summary

Primary Actor: Users

Precondition: User has been successfully logged into the application

Main Success Scenario (or Basic Flow)

1. User selects the account for which they wish to view the statement
2. User chooses the time period in days or months
3. The statement is displayed

Extensions (or Alternate flows) :

2a. If the time period chosen is invalid(< 1 day), error message and helper text is shown.

1. User then chooses the correct time period

Post Condition: The user will be able to view all the transaction summary and can print the statement if required.

USE CASE UC5- TRANSFER FUNDS

Use Case: Transfer Funds

Overview: Use case for users to transfer funds between accounts

Primary Actor: Users

Precondition: User has been successfully logged into the application

Main Success Scenario (or Basic Flow)

1. User selects the account from which they want to transfer
2. User selects the account to which they want to transfer
3. User enters amount to be transferred
4. The amount is transferred to the selected account

Extensions (or Alternate flows) :

- 3a. If the user has insufficient funds, a message is displayed to notify.

Post Condition: The user will be able to transfer funds between accounts.

USE CASE UC6- VIEW INSURANCE DETAILS

Use Case: View Insurance Details

Overview: Use case for users to view their insurance details

Primary Actor: User

Precondition: User has been successfully logged into the account

Main Success Scenario (or Basic Flow)

1. User selects the option to view insurance details
2. The summary is displayed

Extensions (or Alternate flows) :

- 1a. The user has not taken any insurance policy
 1. User may or may not opt for insurance policy

Post Condition: User is able to see the insurance details

USE CASE UC7- ANALYZE ACCOUNT ACTIVITY

Use Case: Analyze Account Activity

Overview: User can analyze the activity of their account

Primary Actor: User

Precondition: User has opted for Internet Banking Facility in Bank

Main Success Scenario (or Basic Flow)

1. User logs into their account
2. User selects the option to analyze their account activity
3. The detailed activity of the account is displayed

Extensions (or Alternate flows) :

1a. If the credentials don't match, error message is displayed

1. User enters the correct credentials and logs in

Post Condition: User can successfully view their account activity