Banking Chatbot

—

TA. Hazem Marwan

21_ 03_ 2020

Teamwork Names
- ❏ Amina Ahmed Abounawara   (4)
- ❏ Abanoub Moris Habib   (1)
- ❏ Abanoub Lotfy Matta   (1)
- ❏ Thomas Khaled Mounir   (5)
- ❏ Ramez Nabil George   (7)

Team ID : (75).

Introduction

A banking chatbot project is built using artificial algorithms that analyze a user's queries and understand the user's message. The chatbot is designed for bank use where users can ask any bank related questions like loan, account, policy, etc.. The chatbot recognizes the user's query and understands what he wants to convey and simultaneously answers them appropriately and stores the messages encrypted. The built-in artificial intelligence chatbot realizes users' requirements and provides suitable answers to the user. It also uses a graphical representation to make the communication easier.

Relations

1- Loan _ 1 - M _ Payments (Loan Payment):

- The Client has an Account and he can request a loan with this Account then make Payments.
- ❖ **Assumption:** Because the client can pay monthly, weekly installments (payment) and it's a weak entity because it can't be identified from one loan to another.

2 - Account _ 1 - M _ Loan (Borrow) :

- Each Account can take as many Loans as he wants from the bank but the same loan can be taken by no more than one Account.
- ❖ **Assumption:** one account can take many loans depending on the client's ability.

3 - Account _ 1 - 1 _ Card (Has):

- Each Account has only one card assigned to it and each Card is owned by only one Account.
- ❖ **Assumption:** for each card can make one account to get his SSN code to know any Information about this account.

4 - Banker _ M - N _ Clients (Register):

- Any Banker can register many Clients and any Client can be registered by any Banker.
- ❖ **Assumption:** the Banker makes a registration for each Client to add Client data in the bank's database.

5 - Account _ 1 - M _ Transactions (Make).

- Each Account can make as many Transactions as he wants any time and Transactions can be done by one Account.
- ❖ **Assumption :** Each Account can make many different Transactions as he wants but of course, the same exact Transaction can't be made by many Account.

6 - Client _ 1 - M _ Account (Owns):

- Each Client has many Accounts and each account is owned by only one client and any Client Can't be able to have more than one Account of the same type.
- ❖ **Assumption:** because each client has only one account in the same type that he uses to make his transactions, take Loans and make Payments and each account is assigned to only one client.