REVATURE – 18-09-2023 COHORT

FINAL PROJECT (JCL,VSAM,COBOL,DB2,CICS)

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**INSURANCE SYSTEM**

Account holder detail:

TB\_ACCOUNTS

|  |  |  |  |
| --- | --- | --- | --- |
| Id (PK)  char(10) | Name  VARCHAR(20) | Password  CHAR(08) | Type(A-agent,P-pol holder) CHAR(01) |

TB\_POLICY\_DETAILS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POL-ID  CHAR(10) PK | CUST\_ID  CHAR(10) | AGENT\_ID CHAR(10) | POL\_TYPE CHAR(03) CHECK ACC LIF,HEA,VEH | PAID\_DATE  DATE | PREMIUM\_AMNT DECIMAL(7,0) | PREM\_PAY\_DATE DATE | POL\_STRT\_DATE DATE | MATURITY\_DATE DATE | SSN CHAR(12) |

TB\_POLICY\_HOLDER\_DETAILS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| POL-ID | CUST\_ID | AGENT\_ID | NAME VARCHAR(15) | PHONE CHAR(10) | DOB DATE | SSN CHAR(12) | POL\_TYPE CHAR(03) CHECK ACC LIF,HEA,VEH | TENURE\_YEARS  NUMERIC . 2 DIGITS ONLY | SUM ASSURED DECIMAL(7,0) |

Map1 🡪 welcome screen.

WELCOME TO REV INSURANCE COMPANY

“WE COVER YOUR LIFE WHEN UNCERTAINITY UNCOVERS”

DATE: DD-MM-YYYY

ENTER YOUR ID:

TYPE( A-AGENT/P-HOLDER):

PASSWORD:

BR1. If the userid does not exist

Send a map and get details(id,name,password and type) from the user and insert the record in Tb\_accounts

BR2. If the password is wrong

Give the user 2 more chances to give correct credentials. If the user still fails, send a message ‘ your password is wrong’ and kill the program

BR3. If the userid and password and the type matches, then do the following.

ONLY ONE TRANSACTION IS ALLOWED FOR A LOGIN.

Agent Previlleges. Map 2.1- with the below list of options.

If the user is AGENT.

1. View list of policy holders based on premium pay date.( Agents can see only their customer’s) Map2.2 🡪 the same header. Prot field “ enter the premium pay date”: ----------.

Receive the date from the map, and select all records that satisfies these condition

\*\*\* the agent id must be the one through which the user is logged on.

\*\*\* The premium pay date is less than or equal to the date given in the map.

Send customer\_id, premum pay date,amount and phone number of those records to CICS region with 5 seconds delay between each user.( you may send it as a map, or just send from (data))

Hint: Declare a cursor in the W-S section.

Only when needed, Open the cursor, fetch the cursor until sqlcode = +100 and close the cursor after displaying all the records. Then, KILL THE PROGRAM.

1. Defaulters list. Map2.4 ( the policy holders who have not yet paid their premium even after the pay date is over)

Write the defaulter records in ksds (hlq.dfltr.ksds). key : pol Id.

Hint: Declare a cursor in the W-S section.

Only when needed, Open the cursor, fetch the cursor until sqlcode = +100 and close the cursor after writing all the records. Then, KILL THE PROGRAM.

1. Buying a new policy. Map 2.5

Generate new policy id :

Customer id(if existing already):

Note: generate a new customer id, if it is a new customer

Name:

Phone:

Dob:

SSN:

Policy type( life/Health/accident/vehicle):

Policy tenure:

Expected sum assured:

Note: policy id generation 🡪 First 2 char of name + first 2 char of policy type + last 6 char of ssn

Customer id generation 🡪 year of dob + month of dob + REV + C.

AGENT id generation 🡪 year of dob + month of dob + REV + A.

Insert this record into tb\_policy\_holder\_details table and as well as into tb\_policy\_details table.

Calculate the premium end date, premium amount accordingly. Take the tenure divide into 12 for months.

Premium pay date is 5th of every month.

1. Map2.6 “data processed successfully, thank you”

Policy holder privileges.3.1

1. Pay premium.Map 3.2

Policy id Map3.2.1

List policy id and premium pay date and amount with 5 seconds delay

Hint: Declare a cursor in the W-S section.

Only when needed, Open the cursor, fetch the cursor until sqlcode = +100 and close the cursor after writing all the records. Then, KILL THE PROGRAM.

1. List of policy you hold and their premium pay date.

List each record with 5 seconds delay

Hint: Declare a cursor in the W-S section.

Only when needed, Open the cursor, fetch the cursor until sqlcode = +100 and close the cursor after writing all the records. Then, KILL THE PROGRAM.