

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)
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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_START_DATE DATE	MATURITY_DATE DATE	SSN CHAR(12)
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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)
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Map1 → welcome screen.

WELCOME TO REV INSURANCE COMPANY	
"WE COVER YOUR LIFE WHEN UNCERTAINTY UNCOVERS"	
DATE: DD-MM-YYYY	
ENTER YOUR ID:	<input type="text"/>
TYPE( A-AGENT/P-HOLDER):	<input type="text"/>
PASSWORD:	<input type="text"/>

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 Privileges. 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, premium 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.

2. 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.

### 3. 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 5<sup>th</sup> of every month.

### 4. 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 displaying all the records. Then, KILL THE PROGRAM.

OR

#### 2. 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 displaying all the records. Then, KILL THE PROGRAM.

