

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 4 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.

Premium pay date is 5th 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 writing all the records. Then, KILL THE PROGRAM.

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 writing all the records. Then, KILL THE PROGRAM.