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_I D CHAR(10)	AGENT _ID CHAR(10)	POL_TYPE CHAR(03) CHECK ACC LIF,HEA,VEH	PAID_ DATE DATE	PREMIU M_AMNT DECIMA L(7,0)	PREM_P AY_DA TE DATE	POL_STRT _DATE DATE	MATURITY _DATE DATE	SSN CHA R(12)

TB_POLICY_HOLDER_DETAILS

POL -ID	CUST_I D	AGEN T_ID	NAME VARCH AR(15)	PHONE CHAR(1 0)	DOB DAT E	SSN CHAR(12)	POL_TYPE CHAR(03) CHECK ACC LIF,HEA,VE H	TENURE_ YEARS NUMERIC . 2 DIGITS ONLY	SUM ASSURED DECIMAL(7,0)

Map1 → welcome screen.

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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: [                  ]
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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.

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 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 displaying all the records.   Then, KILL THE PROGRAM.