



PCTI/AIG SUMMER RESEARCH – PROJECT #3

NEW QUOTE REQUEST – COMPLEX COMMERCIAL UNDERWRITING

PROJECT BACKGROUND:

ANYTIME A CUSTOMER APPLIES FOR A NEW INSURANCE POLICY, THE REQUEST HAS TO BE EVALUATED USING A VARIETY OF FACTORS BEFORE A PREMIUM QUOTE IS RELEASED TO THE APPLICANT. THE PREMIUM AMOUNT IS BASED ON THE INFORMATION PROVIDED IN THE APPLICATION. INSURANCE COMPANIES LIKE AIG USE SPECIAL UNDEWRITING SOFTWARE TO COLLECT AND EVALUATE THE INFORMATION ABOUT POTENTIAL APPLICANTS.

ROLE STATEMENT:

YOU ARE A JR PROGRAMMER WITH AIG'S CCUW (COMPLEX COMMERCIAL UNDERWRITING) SYSTEM. USING A COMBINATION OF CONDITIONAL STATEMENTS, DESIGN A PROGRAM TO PRODUCE A PREMIUM QUOTE FOR A NEW AUTOMOBILE POLICY USING THE SAMPLE SET OF FACTORS LISTED BELOW.

TASKS/OBJECTIVES:

USING THE LIST BELOW, CREATE A USER INTERFACE TO COLLECT CUSTOMER DATA NEEDED TO PRODUCE A NEW AUTO POLICY QUOTE. ONCE THE DATA HAS BEEN GATHERED, THE PROGRAM SHOULD EVALUATE IT USING A SERIES OF CONDITIONAL STATEMENTS AS PER THE SAMPLE SET OF FACTORS LISTED IN TABLE 1 BELOW:

TABLE 1 - FACTORS

FACTOR	POSSIBLE VALUES	ACTION
RISK EXPOSURE	LOW, MEDIUM, HIGH	HIGH – INCREASE PREMIUM BY 100% MEDIUM – INCREASE PREMIUM BY 50% LOW – NO INCREASE IN PREMIUM
PRIOR CLAIMS FILED?	YES, NO	YES – INCREASE PREMIUM BY 25% NO – NO ACTION
ELIGIBLE FOR GOOD STUDENT DISCOUNT?	YES, NO	YES – LOWER PREMIUM BY 25% NO – NO ACTION
NUMBER OF TRAFFIC TICKETS IN THE PAST 2 YEARS.	1-10	>=1 NO ACTION 2-5 – INCREASE PREMIUM BY 50% 5-10 – INCREASE PREMIUM BY 100%
VEHICLE FINANCING?	YES, NO	YES – INCREASE PREMIUM BY \$1000
NUMBER OF VEHICLES		0 –NONE >0 – MULTIPLY PREMIUM BY NUMBER OF VEHICLES

EXPECTED RESULTS:

- A FUNCTIONAL USER INTERFACE TO COLLECT DATA NECESSARY FOR A NEW POLICY QUOTE
- PREMIUM QUOTE FOR A NEW POLICY BASED ON USER INPUT