**ENVIRONMENT** : **A CUSTOMER PROFITABLITY REPORT**

GIVEN SOURCE (EXCEL DATA) CONTAINS INFORMATION ABOUT VARIOUS BUSINESS UNITS AND PRODUCTS MONITORED BY EXECUTIVES TO DEAL WITH SALES AND PROFITS FOR VARIOUS CUSTOMERS ACROSS DIFFERENT STATES.

GIVEN DATA INCLUDES VARIOUS TYPES OF INFORMATION RANGING FROM INTEGER TO CHARACTER TO IMAGE. IGNORE THE IMAGE DATA. CONSIDER RELATIONS, POSSIBLE HIERARCHIES TO ENSURE PROPER ORDERING AND ARRANGEMENT OF DATA ITEMS.

PHASE 1 : YOU WERE GIVEN 20 SCREEN BASED REQUIREMENTS ACROSS 5 PAGES.

YOU NEED TO DESIGN A SINGLE PBIX FILE (POWER BI DOCUMENT FILE) THAT CONTAINS SOLUTIONS TO ALL GIVEN SET OF 20 REPORT SCREENS.

PHASE 2 : YOU WILL BE SAME DATA (CUSTOMER PROFITABILITY DATA) IN A DATABASE FORMAT. PREFERABLY SQL SERVER DATABASE FORMAT. DB WILL BE GIVEN.

YOU SHALL USE THIS DATABASE AS A SOURCE TO DESIGN same REPORT.

CAUTION 1: SOURCE DATA MAY BE VERY HUGE. SOURCE CONNECTION IS ALSO DIFFERENT FROM THAT OF PHASE 1. HENCE STORAGE MODE MAY CHANGE. HENCE IT IS NOT POSSIBLE TO DIRECTLY EDIT PHASE 1 SOLUTION ABOVE. BETTER TO REDESIGN THE ENTIRE REPORT.

CAUTION 2: WE ARE READING DATA FROM A SOURCE THAT SUPPORTS RELATIONS. IT IS ADVISED TO GET BENEFIT OF THIS FEATURE FOR CORRECT MODELING OF DATA. YOU MAY NEED TO WRITE SQL QUERIES DURING THIS PHASE. YOU WILL BE GIVEN A SET OF **POWER QUERY** & **DAX** REQUIREMENTS.

SOLVE ALL THE GIVEN REQUIREMENTS AND SEND US THE UPDATED PBIX FILE.

PHASE 3 : YOU SHALL UPLOAD PHASE 1 REPORT TO CLOUD (R1). DEFINE DASHBOARDS.

YOU SHALL UPLOAD PHASE 2 REPORT TO CLOUD (R2). DEFINE DASHBOARDS.

IDENTIFY THE DIFFERENCES FOR R1 AND R2 RIGHT FROM DESIGN TO **PUBLISH**.

GENERATE ALL POSSIBLE VISUALS, EMBED THEM IN A POWER BI APP. SHARE

YOU SHALL UPLOAD PHASE 1 REPORT TO SERVER (R11).

YOU SHALL UPLOAD PHASE 2 REPORT TO SERVER (R22)..

IDENTIFY THE DIFFERENCES FOR R1 AND R2 RIGHT FROM DESIGN TO UPLOAD.

DOWNLOAD R1, R2 FROM CLOUD > EDIT IN DEV ENVIRONMENT > **UPLOAD**.

DOWNLOAD R11, R22 FROM SERVER > EDIT IN DEV ENVIRONMENT > **UPLOAD**.

IDENTIFY THE DIFFERENCES FOR SERVER & CLOUD UPLOADS.

FINALLY, I SHALL REPLY YOU WITH MY SOLUTIONS + RESUME POINTS + FAQs