



# PROJECT-2

# FILES

- 1.Data (Raw data for Power BI Dashboard)
- 2.Completed Dashboard (Final .pbix file for reference)
- 3. Icons (images to be used in dashboard)
- 4.Custom Visual( visual for dashboard )

# INSTRUCTIONS

- Import all five tables from the Excel File called “Section Six Data Extract” into Power Query Mode
- Create “Username” column inside dim\_Customer table from the email address column. We are only looking for the text before the “@” symbol. The column should also be labelled “Username”
- Scan the dim\_Customer table and look out for columns with lots of Null values and remove them from the table
- Import the tables into the model and check the connections between tables, make sure that every table is connected
- Create #Measures table using DAX
- Create dim\_Date table using “fact\_InternetSales[ShipDate]” column and create the following columns “Year”, “Month”, “Month Name”, “Day of Week”, “Quarter”, “Year/Quarter”. Make sure that the Month column is sorted correctly

- Dynamic measure for selected currency, based on the selected currency the measure should return the sales amount in the selected currency if no currency has been selected the measure should say “No currency selected”.
- Dynamic measure for a title that should say “Sales Amount in [Selected Currency] vs All Currencies”, alternatively it should say “Please Select Currency from the Dropdown Menu”
- Create measures for Previous One Month, Previous Three Months and Previous Six Months
- A measure that will tell us the time the report was last opened, the text should say “Executed: Date and Time”
- Header (background color optional) with line color #e8d400
- Insert logo (located inside 3.Images) inside the header and resize it accordingly
- Create buttons for “Clear Filters” (apply red outline on this button only), “Users” (apply outline using color #e8d400 on the rest of the buttons), “Currency”, “Sales Territory”. Buttons need to be positioned inside the header

- Executed Measure to be placed inside the header on the right using Card Visual and resized accordingly, the text should be on one line.
- Create dropdown menus using bookmarks for Users, Currency and Sales Territory. The dropdown menus should have an outline Color of #e8d400 and an arrow pointing up to close the menu (arrow can be located inside 3.Images). Each of the dropdowns should contain the option to search inside the filter.
- Create a bookmark that clears all the filters and apply it to “Clear Filters” button
- Import Timeline Slicer into the visualisations panel. The visual can be located inside 4.Custom Visual. The slicer should be positioned below the header. Change the selected cells color to #e8d400
- Create three boxes – first one to show Sales Amount in Selected Currency, a second one to show Sales Amount for All Currencies in Previous Month, Sales Amount for All Time for All Currencies. Each box should have the same outline color of #e8d400. The text should be aligned in the middle, font size to be increased based on user preference. Sales Amount for Last Month and Sales Amount for All Time should not be filtered when choosing currency or region from the Header menu.

- **\*Find out how to Increase Canvas Size** to 1720h x 1280w
- Position the Dynamic Title Measure in the middle inside a card visual with appropriate font size.
- Using Line and stacked column chart create a visual that shows all Sales Amount in All Currencies, split by month name. Bar color to be #293537. Font size to be increased accordingly. **\*Inside the chart we should show the selected currency from the dropdown menu as a dot. Marker size to be 10 pixels.** The dot color should be #e8d400. The chart should also have a Legend. Legend to be positioned in Top Center. Data labels should be visible for the bars, but not for the dots. The visual should have a placeholder in the background with line color #e8d400
- Additional Dynamic Title Measure to be created. This title should tell us Total Products sold in the selected country or alternatively Total Products Sold Worldwide. This should be triggered by the Sales Territory Dropdown button from the Header
- Number of Products Sold by Country to be shown inside a map visual. Change the color of the country to #e8d400. The visual should have a placeholder in the background with line color #e8d400

- Create a table that shows the SalesTerritory along with the Sales Amount as %, Total Sales Amount, Sales for Previous One Month, Previous Three Months, Previous Six Months. Font size to be increased accordingly, outline to be removed. Column headers to be colored in #e8d400. Totals should have the same background color as per headers. Remove the outline from Totals as well. SalesTerritoryCountry background color to be changed to the same color as Totals. All headers should be capitalised. Apply conditional formatting to the Total Sales Amount %. If values are between 0 and less than or equal to 0.2 make it red, if it is greater than or equal to 0.2 and less than 0.5, make it #e8d400, if it is greater than or equal to 0.5 and less than or equal to 1, make it green
- Test out the dashboard, make sure that everything works in sync. Bonus points if you can figure out how to change the boxes inside the Currency dropdown from a box to “Single Select” so that users can only choose one Currency from the dropdown menu at a time.