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L2 Case Study – Power BI

(Superstore Sales)

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**Shrink IT <<**

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Introduction

General

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Evaluation Details

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| --- | --- |
| **Time Limit** | 4 hours |
| **Total Max. Score** | 50 |
| **Total Min. Passing Score** | 40 |

**Scoring Structure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Skillset** | **Scoring Category** | **Max. Score** | **Min. Passing Score** |
| **Power BI Application** | Case Study | 50 | 40 |
| **Total Score** | **50** | **40** |

Prerequisites

* OS [Windows 10.1, Linux etc.]
* IDE/Tools [Power BI Desktop ]
* Database [MS Excel, SQL Server (Optional)]
* Other requirements [Power BI Pro License (Optional), R Setup (Optional)]

Instructions

Follow the following steps to complete the assignment:

* Read the Case study details
* Develop a data model in Power BI environment
* Extract, Clean and Transform the data if required using Power BI Query Editor
* Create reports/dashboards for the given scenarios and case study

Case Study

Problem Statement/Use Case

The assignment uses data of superstore sales provided in .xlsx format. 

Participants are required to prepare a single view sales dashboard highlighting important KPIs that would help the sales managers analyze their territory sales.

Focus on following pointers while creating the report:

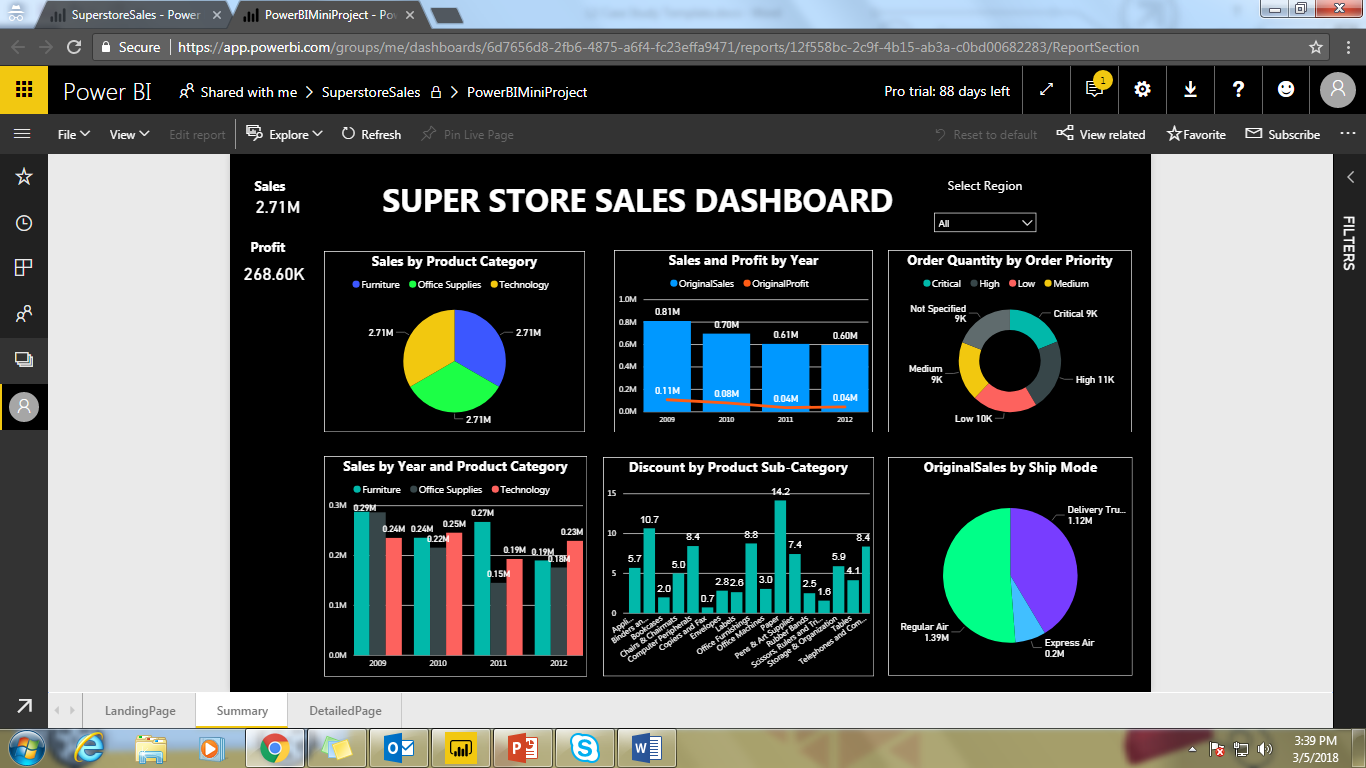
* It should cover all the major metrics which a manager would be interested in seeing
* There is a separate tab for returns. Even that should be included in the report. (You need to create a relationship before you can use it within report)
* A manager should see data only for his region.The tiles (visuals) should be interactive and slice and dice options should be available across categories, orders and dates.
* The report could be in one page or can span across multiple pages
* Custom visuals can be included wherever appropriate.
* Once the report is prepared, publish it to Power BI service and share it with the evaluator or share the report (.pbix) file
* Make appropriate assumptions wherever required

Allowed tools and libraries

* Power BI Desktop
* MS Excel
* Power BI custom visuals

Expected Results

There isn’t one correct way of preparing dashboard and is subject to ones’ understanding of the subject and creativity. Below are the sample dashboards outputs that could be created:



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