**Project Brief: Data Analysis of Railway services in the UK using Power BI**

**Project Overview:**

For this project, you'll play the role of a BI Developer for National Rail, a company that provides business services to passenger train operators in England, Scotland, and Wales.

**Data Description:**

The data contains mock train ticket sales for National Rail in the UK, from January to April 2024, including details on the type of ticket, the date & time for each journey, the departure & arrival stations, the ticket price, and more.

**Project Objectives:**

Now its time for you to define the problem statement and project objectives. Here are some guidelines to help you get started. The excel workbook contains all the information about the columns.

**Problem Statement:**

Identify issues that could potentially be addressed, also think about the multiple challenges that could be faced and ways of solving them with data analysis.

**Project Objectives:**

You've been asked by your manager to **create an exploratory dashboard** that helps them:

* Identify the most popular routes
* Determine peak travel times
* Analyse revenue from different ticket types & classes
* Diagnose on-time performance and contributing factors and many other analysis

**Data Analysis Tools:**

You’ll be using Microsoft Power BI for this project, as it offers a wide range of functions including visualizations, power query for data cleaning and many other features.

**Project Deliverables:**

Once your analysis is complete, you’ll need to provide the following deliverables:

1. A clean dataset
2. Your power BI workbook containing your analysis, visualizations e.t.c
3. A summary of key findings and insights from the analysis
4. Visualizations, including charts and graphs to present the results clearly.
5. Powerpoint slides summarizing your findings for presentation purposes.

**Timeline:**

You have one week to complete the project. Use your time wisely and don’t hesitate to ask for assistance if needed. Good luck!