

# Documentation and Installation Manual

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## Project Overview

This project provides a comprehensive database system designed for an online booking platform, including SQL code for 20 entities, and test cases. The package also includes an Entity-Relationship Model (ERM) design and a presentation with screenshots. This documentation will guide you through setting up the project in MySQL Workbench and running the provided test cases.

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### 1. Prerequisites

Before you begin, ensure you have the following software installed:

- **MySQL Workbench:** An all-in-one visual tool designed for database professionals, including architects, developers, and administrators.
- **MySQL Server:** The server where the database will be hosted.

### 2. Installation Guide

#### Step 1: Unzip the Project Files

1. Download the project zip folder.
2. Extract the contents to a location of your choice.

## Step 2: Set Up MySQL Workbench

1. Launch MySQL Workbench.
2. Then, connect to your MySQL server using your login details.

## Step 3: Import the SQL Scripts

1. Navigate to **File > Open SQL Script**.
2. Select the SQL script file from the unzipped folder.
3. Execute the script by clicking the **lightning bolt icon** to create the database and tables.

## Step 4: Review the ERM Design

1. Open the ERM design file included in the folder.
2. Review the design to understand the relationships between entities.

## 3. Running the SQL Scripts

### Step 1: Execute Entity Scripts

1. Open each SQL file related to the 20 entities.
2. Execute each script sequentially in MySQL Workbench.

### Step 2: Run the Test Cases

1. Locate the SQL files for the two test cases.
2. Open them in MySQL Workbench.
3. Execute the queries to retrieve the expected results.

## 4. Additional Resources

- **Screenshots Presentation:** Open the presentation file to view screenshots that detail each step visually.
- **Troubleshooting:** If you encounter any issues, refer to the MySQL documentation for troubleshooting tips.

## Conclusion

This documentation should equip you with the necessary steps to set up, run, and test the online booking platform database. If you follow these instructions, you'll have a fully functioning database system that is ready for further development or deployment.

