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| N/A |
| MySQL Database Design Brief |
| For Peach |

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| Phuc Le Dinh  7-9-2017 |

Revision history

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| --- | --- | --- |
| **Revision** | **Date** | **Note** |
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# Introduction

This document outlines the MySQL database design for the Hotel Management System Application, which is also known as Peach. The requirements for Peach are presented in peach-requirements.docx.

# Database design

This section will set out to present how the database for Peach is designed. The database will be based on a single schema which is created using MySQL Server application. In this schema, the following tables are created to fit the purpose of Peach:

* Room information.
* Customer information.
* Pricing information.

## Room information table design

The Room Information table shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| Room Number | INT | Primary Key |
| Room Status | TINYINT | N/A |
| Booking reference number | INT | N/A |
| Room Type | TINYINT | N/A |
| Telephone Extention | VARCHAR(45) | N/A |

Table : Room Information table design

## Customer information table design

The Customer Information table shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| Booking Reference Number | INT | Primary Key |
| Name | VARCHAR(45) | N/A |
| Email | VARCHAR(45) | N/A |
| Telephone Number | VARCHAR(45) | N/A |
| Check-in Date | DATE | N/A |
| Check-out Date | DATE | N/A |
| Type of ID | TINYINT | N/A |
| Date of Birth | DATE | N/A |
| Gender | TINYINT | N/A |
| ID Number | VARCHAR(45) | N/A |
| Address | VARCHAR(255) | N/A |
| Number of people | INT | N/A |
| Booking Status | TINYINT | N/A |

Table : Customer Information table design

## Pricing information table design

The Pricing information shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| Room Type | VARCHAR(45) | Primary Key |
| Price | INT | N/A |

## Room Status table design

The Room Status table shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| Status Names | VARCHAR(45) | N/A |
| Value | TINYINT | Primary Key |

The status names will be defined as follows:

|  |  |
| --- | --- |
| **Status** | **Value** |
| Vacant | 0 |
| Reserved | 1 |
| Checked-in | 2 |
| Checked-out | 3 |

## ID Type table Design

The ID Type table shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| ID Names | VARCHAR(45) | N/A |
| Value | TINYINT | Primary Key |

The ID types will be defined as follows:

|  |  |
| --- | --- |
| **ID Type** | **Value** |
| Passport | 0 |
| Driving License | 1 |
| Visa | 2 |

## Gender table design

The Gender table shall consist of the following columns

|  |  |  |
| --- | --- | --- |
| **Column Names** | **Data Type** | **Notes** |
| Gender | VARCHAR(45) | N/A |
| Value | TINYINT | Primary Key |

The status names will be defined as follows:

|  |  |
| --- | --- |
| **ID Type** | **Value** |
| Male | 0 |
| Female | 1 |
| Preferred not to say | 2 |

## Table connection