**NZ Horse Racing: Logical ERD**

**Diagram

Description automatically generated**

**Data Dictionary**

**RACE COURSE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| RaceCourseID | Yes | Auto-number | 3 | Primary Key |
| RaceCourseName | Yes | Short Text | 30 | - |
| StreetAddress | Yes | Short Text | 60 | - |
| Suburb | Yes | Short Text | 20 | - |
| City | Yes | Short Text | 20 | - |
| PhoneNumber | Yes | Short Text | 16 | (999)000-0000 |

**MEETING**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| MeetingID | Yes | Auto-number | 6 | Primary Key |
| MeetingName | Yes | Short Text | 20 | - |
| MeetingDate | Yes | Date/Time | 10 | DD/MM/YYYY |
| TicketPrice | Yes | Currency | 6 | $40-$1500 inclusive |
| Capacity | Yes | Number | 6 | 500-250000 inclusive |
| RaceCourseID | Yes | Foreign Key (RACE COURSE) | 3 | - |

**CUSTOMER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| CustomerID | Yes | Auto-number | 8 | Primary Key |
| LastName | Yes | Short Text | 30 | - |
| FirstName | Yes | Short Text | 30 | - |
| StreetAddress | Yes | Short Text | 60 | - |
| Suburb | Yes | Short Text | 20 | - |
| City | Yes | Short Text | 20 | - |
| EmailAddress | Yes | Short Text | 30 | - |
| PhoneNumber | No | Short Text | 16 | (999)000-0000 |
| CreditStatus | Yes | Short Text | 7 | Valid or Invalid |

**OWNER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| OwnerID | Yes | Auto-number | 4 | Primary Key |
| LastName | Yes | Short Text | 30 | - |
| FirstName | Yes | Short Text | 30 | - |
| StreetAddress | Yes | Short Text | 60 | - |
| Suburb | Yes | Short Text | 20 | - |
| City | Yes | Short Text | 20 | - |
| EmailAddress | Yes | Short Text | 30 | - |
| PhoneNumber | No | Short Text | 16 | (999)000-0000 |
| NZRAMember | Yes | Yes/No | 3 | Yes or No |

**BOOKING**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| BookingID | Yes | Auto-number | 10 | Primary Key |
| Quantity | Yes | Number | 2 | 1-4 inclusive |
| Status | Yes | Short Text | 7 | Pending or Paid |
| BookingDate | Yes | Date/Time | 10 | DD/MM/YYYY |
| CustomerID | Yes | Foreign Key (CUSTOMER) | 8 | - |
| MeetingID | Yes | Foreign Key (MEETING) | 6 | - |

**HORSE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| HorseID | Yes | Auto-number | 6 | Primary Key |
| HorseName | Yes | Short Text | 50 | - |
| Gender | Yes | Short Text | 7 | Male, Female or Gelding |
| DateOfBirth | Yes | Date/Time | 10 | DD/MM/YYYY |
| OwnerID | Yes | Foreign Key (OWNER) | 4 | - |

**JOCKEY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| JockeyID | Yes | Auto-number | 6 | Primary Key |
| LastName | Yes | Short Text | 30 | - |
| FirstName | Yes | Short Text | 30 | - |
| EmailAddress | Yes | Short Text | 30 | - |
| Weight | Yes | Short Text | 7 | 44 - 55 inclusive |
| DateOfBirth | Yes | Date/Time | 10 | DD/MM/YYYY |

**RACE ENTRY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| RaceEntryID | Yes | Auto-number | 10 | Primary Key |
| Status | Yes | Short Text | 12 | Pending, Disqualified or Confirmed |
| RaceEntryTime | Yes | Short Text | 4 | Default:0 |
| RaceID | Yes | Foreign Key(RACE) | 8 | - |
| HorseID | Yes | Foreign Key (HORSE) | 6 | - |
| JockeyID | Yes | Foreign Key (JOCKEY) | 6 | - |

**RACE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fields Name | Required | Data Type | Maximum Length | Range/List |
| RaceID | Yes | Auto-number | 8 | Primary Key |
| RaceName | Yes | Short Text | 20 | - |
| RaceTime | Yes | Time/Date | 6 | HH:MM, 9:00 to 19:00 inclusive |
| Status | Yes | Short Text | 9 | Scheduled or Finished |
| RaceType | Yes | Short Text | 8 | Hurdles, Chase, Handicap or Flat |
| MeetingID | Yes | Foreign Key (MEETING) | 6 | - |