Avengers Arena Database Design Document

# Entity Relationship Diagram

A screenshot of a computer

Description automatically generated

# Data Dictionary

## aa\_events

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| eventID | Number | 15 | Primary key |  |  |
| eventTitle | VARCHAR | 100 |  |  |  |
| eventDescription | VARCHAR | 500 |  |  |  |
| eventDate | Date |  |  |  |  |
| eventTime | Time |  |  |  |  |
| typeID | VARCHAR | 5 | Foreign key |  |  |
| stageID | VARCHAR | 5 | Foreign key |  |  |
| ticketPrice | Number | 8 |  |  |  |
| imgRef | VARCHAR | 100 |  |  | Directory for image to be displayed alongside ticket listing |

## aa\_event\_type

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| typeID | Number |  | Primary key |  |  |
| eventType | VARCHAR |  |  |  |  |

## aa\_event\_stage

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| stageID | VARCHAR |  | Primary key |  |  |
| stageNumber | VARCHAR |  |  |  |  |
| stageCapacity | Number |  |  |  |  |

## aa\_sales

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| saleID | Number |  | Primary key |  |  |
| custID | Number |  | Foreign key |  |  |
| eventID | Number |  | Foreign key |  |  |
| saleQuantity | Number |  |  |  |  |

## aa\_customer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| custID | Number | 10 | Primary key |  |  |
| custForename | VARCHAR | 50 |  |  |  |
| custSurname | VARCHAR | 50 |  |  |  |
| custEmail | VARCHAR | 50 |  |  |  |
| custPasswordHash | VARCHAR | 100 |  |  |  |

## aa\_cart

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| cartItemID | Number | 10 | Primary key |  |  |
| custID | Number | 50 |  |  |  |
| eventID | Number | 50 |  |  |  |
| cartItemQuantity | Number | 50 |  |  |  |

## aa\_admins

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **Size** | **Constraint** | **Null?** | **Comment** |
| username | VARCHAR |  | Primary key |  |  |
| Password | VARCHAR |  |  |  |  |