# Data Dictionary

# School Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| SchoolID | PK | Int |  | Y | Auto Increment |
| SchoolName |  | Varchar | 50 | Y |  |

# Class Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| ClassID | PK | Integer |  | Y |  |
| SchoolID | FK | Integer |  | Y | Existing SchoolID from the School Table |
| CourseID | FK | Integer |  | Y | Existing CourseID from the Course Table |
| ArrivalTime |  | Time |  | Y |  |
| DepartureTime |  | Time |  | N |  |
| Date |  | Date |  | Y |  |

# Course Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| CourseID | PK | Integer |  | Y |  |
| AccountID | FK | Integer |  | Y | Existing AccountID from the Account Table |
| CourseName |  | Varchar | 50 | Y |  |
| StartTime |  | Time |  | Y |  |
| EndTime |  | Time |  | Y |  |

# Account Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| AccountID | PK | Varchar | 20 | Y |  |
| Password |  | Varchar | 30 | Y | Length >= 8 |

# Log Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| AccountID | PK  FK | Varchar | 20 | Y | Existing AccountID from the Account Table |
| Time | PK | Time |  | Y |  |

# Applicants Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Key** | **Type** | **Size** | **Required** | **Validation** |
| ApplicantID | PK | Integer |  | Y | Auto Increment |
| Email |  | Varchar | 40 | Y |  |
| Name |  | Varchar | 50 | Y |  |