|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| Depart\_id | varchar | Primary key | 20 | Identifier for Department |
| Departname | varchar |  | 100 | Name of department |

**IDEA MANAGEMENT SYSTEM DATA DICTIONERY**

**DEPARTMENT**

**STAFF**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| StaffID | varchar | Primary key | 20 | Identifier for staff |
| fName | varchar |  | 100 | First Name of staff |
| L\_name | varchar |  | 100 | Last name of staff |
| DOB | Data |  |  | Date of birth of staff |
| Phone | varchar |  | 20 | Phone number for staff |
| PostalAddress | varchar |  | 200 | Address for staff |
| DepartmentID | varchar | Foreign key | 20 | Reference Department |

**USER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| userID | varchar | Primary key | 20 | Identifier for user |
| Username | varchar |  | 200 | Name of user |
| password | varchar |  | 50 | Password of user |
| Email | varchar |  | 100 | Email for user |
| Role | varchar |  | 10 | Role of a user |

**STUDENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| StudentID | varchar | Primary key | 20 | Identifier for student |
| F\_name | varchar |  | 100 | First name of student |
| L\_name | varchar |  | 100 | Last name of student |
| DOB | Date |  |  | Date of birth for student |
| PostalAddress | varchar |  | 200 | Email address of student |
| phone | varchar |  | 20 | Phone number for student |
| DepartmentID | varchar | Foreign key |  | Referencing Department |

**IDEA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| IdeaCode | varchar | Primary key | 20 | Identifier for idea |
| Subject | varchar |  | 500 | Description of idea |
| Description |  |  | 60 |  |
| StudentID | varchar | Foreign key | 20 | Category of idea |
| CategoryCode | varchar | Foreign key | 20 | Reference student |

**COMMENT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| CommentID | varchar | Primary key | 20 | Identifier for comments |
| Description | varchar |  | 500 | Description of the comment |
| Commenter | varchar |  | 60 | Person who comments the idea |
| IdeaCode | varchar | Foreign key | 20 | References comment |

**CATEGORY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ATTRIBUTE | DATATYPE | CONSTRAINTS | SIZE | DESCRIPTION |
| CategoryID | varchar | Primary Key | 20 | Identifier of category |
| CategoryName | varchar |  | 100 | Name of category |

**IDEA MANAGEMENT SYSTEM ERD**



**IDEA MANAGEMENT SYSTEM RELATIONSHIP SCHEMA**

