**Table Design**

**department\_tbl [Stores the Department details]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| dept\_id | INTEGER | PRIMARY KEY | id of the department |
| dept\_name | TEXT | NOT NULL | dept\_name |

**blooms\_lvl\_tbl [Stores the blooms level information]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| blm\_id | INTEGER | PRIMARY KEY | id of the bloms level |
| blm\_lvl\_name | TEXT | NOT NULL | Name of the blooms level |

**semester\_tbl [Stores the Semester details of various departments]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| sem\_id | INTEGER | PRIMARY KEY | id of the semester |
| sem\_name | TEXT | NOT NULL | Semester |
| dept\_id | INTEGER | FOREIGN KEY | Reference the PK of department table |

**module\_tbl [Stores the module name details]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| mod\_id | INTEGER | PRIMARY KEY | id of the module |
| mod\_name | TEXT | NOT NULL | Module Name |

**mark\_tbl [Stores the details of marks of various questions]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| mrk\_id | INTEGER | PRIMARY KEY | id of the mark |
| mark | TEXT | NOT NULL | mark |

**exam\_tbl [Stores the details of the examination]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| exm\_id | INTEGER | PRIMARY KEY | id of the mark |
| exm\_name | TEXT | NOT NULL | Exam Name |

**user\_tbl [Stores the details of users]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| username | TEXT | PRIMARY KEY | Username of the user |
| f\_name | TEXT | NOT NULL | First name |
| l\_name | TEXT | NOT NULL | Last Name |
| email\_id | TEXT | UNIQUE | Email id of the user |
| pswd | TEXT | NOT NULL | Pasword of the user |
| dept\_id | INTEGER | FFORIEGN KEY | References PK of department\_tbl |
| adm\_flg | BOOLEAN | NOT NULL | Determines the admin privilege |

**blooms\_keyword\_tbl [Stores the details of blooms keywords for various levels]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| blmk\_id | INTEGER | PRIMARY KEY | id of the bloms verb |
| blmk\_verb | TEXT | NOT NULL | Blooms keyword verb |
| blm\_lvl\_id | INTEGER | FOREIGN KEY | References the PK of the blooms\_lvl\_tbl |

**subject\_tbl [Stores the details of various subjects of different departments]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| subcode | TEXT | PRIMARY KEY | Subject code of the subject |
| sub\_name | TEXT | NOT NULL, UNIQUE | Subject Name |
| sem\_id | INTEGER | FOREIGN KEY | References the PK of the semester table |

**co\_mapping\_tbl [Stores the details of course objective mapping of modules]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| co\_d | INTEGER | PRIMARY KEY | Id of the co mapping |
| co\_name | TEXT | NOT NULL | Coyrse objective |
| mod\_id | INTEGER | FOREIGN KEY | References the PK of the mod\_tbl |
| sub\_code | TEXT | FOREIGN KEY | References the PK of the subject \_tbl |

**question\_tbl [Stores the details of the questions]**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Type** | **Constraints** | **Description** |
| qn\_id | INTEGER | PRIMARY KEY | Id of the question |
| qn\_desc | TEXT | NOT NULL | Question description |
| qn\_fig | BLOB |  | Images to be included if available |
| co\_id | INTEGER | FOREIGN KEY | References the PK of the co\_mapping\_tbl |
| mrk | INTEGER | FOREIGN KEY | References the PK of the mark\_tbl |
| blm\_lvl | INTEGER | FOREIGN KEY | References the PK of the blooms\_lvl\_tbl |