Coaching Institute Management Software(CIMS)

Database:

**Users\* -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| user\_id | Int | Y | - | PK |
| Name | char(50) | Y | - | - |
| Email | char(255) | Y | - | unique |
| Password | Varchar(255) | Y | - | - |
| Dob | Date | N | - | - |
| Gender | Char(1) | N |  |  |
| Address | Varchar(400) | N | - | - |
| City\_id | Int | Y | - | FK |
| Contact | char(10) | Y | - | unique |
| Logo | char(255) | N | - | - |
| Status\_id | Int | Y | 2 | FK |
| Activation\_code | Varchar(100) | N | - | - |

**Institutes\***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Institute\_id | Int | Y | - | PK |
| User\_id | Int | Y | - | FK |
| Details | Varchar(2000) | Y | - | - |
| Website | char(100) | N | - | Unique |
| Start\_time | Time | Y | - | - |
| End\_time | Time | Y | - | - |

**Teachers\***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| teacher\_id | Int | Y | - | PK |
| User\_id | Int | Y | - | FK |
| qualification | char(10) | Y | - | - |
| Experience | Int | Y | - | - |

Experience in months

**Status\* -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| status\_id | Int | Y | - | PK |
| type | Varchar(20) | Y | - | - |

Active, inactive, blocked, Running, Ended, enrollment

**States\* -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| state\_id | Int | Y | - | PK |
| name | char(35) | Y | - | - |

**Cities\* -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| City\_id | Int | Y | - | PK |
| name | char(35) | Y | - | - |
| state\_id | Int | Y | - | FK |

**User\_types\* -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| User\_type\_id | Int | Y | - | PK |
| type | Varchar(20) | Y | - | - |

Institute, student, teacher

**Courses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| course\_id | Int | Y | - | PK |
| name | char(50) | Y | - | - |
| Institute\_id | Int | Y | - | FK |
| Details | Varchar(2000) | Y | - | - |
| Syllabus\_pdf | char(255) | Y | - | - |
| Course\_pic | char(255) | Y | - | - |
| Star\_rank | Int | Y | 0 | - |
| Star\_rank\_count | Int | Y | 0 | - |

Star\_rank: 1-5 star

**Batches**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| batch\_id | Int | Y | - | PK |
| name | char(50) | Y | - | - |
| Course\_id | Int | Y | - | FK |
| Mode | Bool | Y | - | - |
| Frequency | Bool | Y | - | - |
| Start\_date | Date | Y | - | - |
| Duration | Int | Y | - | - |
| Time | Time | Y | - | - |
| Teacher\_id | Int | Y | - | FK |
| Status\_id | Int | Y | - | FK |
| Student\_count | Int | Y | 0 | - |
| Course\_fees | Int | Y | - | - |
| Concession | Int | Y | 0 | - |

Duration in days, concession in percent, upload\_folder will be created (batch\_id+batch\_name), mode = online, offline

Frequency = alternate days, regular,

**++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++**

**Institute\_pics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Institute\_pic\_id | Int | Y | - | PK |
| Institute\_id | Int | Y | - | FK |
| Pic\_path | Varchar(100) | Y | - | - |
| Pic\_type\_id | Int | Y | - | FK |

**Pic\_types -**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Pic\_type\_id | Int | Y | - | PK |
| pic\_type | Varchar(20) | Y | - | - |

(interior, Exterior, Lab, Library, Class Room, Office, Parking, Sports Area, Faculty Room)

**~~Courses~~**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| course\_id | Int | Y | - | PK |
| Course | Varchar(50) | Y | - | - |
| Subtitle | Varchar(80) | Y | - | - |
| Institute\_id | Int | Y | - | FK |
| Details | Varchar(2000) | Y | - | - |
| Syllabus\_pdf | Varchar(100) | Y | - | - |
| Course\_pic | Varchar(100) | Y | - | - |
| Star\_rank | Int | Y | 0 | - |
| Star\_rank\_count | Int | Y | 0 | - |

Star\_rank: 1-5 star

**Topics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| topic\_id | Int | Y | - | PK |
| Topic | Varchar(50) | Y | - | - |
| Course\_id | Int | Y | - | FK |
| Details | Varchar(1000) | Y | - | - |

**Batches**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| batch\_id | Int | Y | - | PK |
| Batch | Varchar(50) | Y | - | - |
| Course\_id | Int | Y | - | FK |
| Mode | Bool | Y | - | - |
| Frequency | Bool | Y | - | - |
| Start\_date | Date | Y | - | - |
| Duration | Int | Y | - | - |
| Time | Time | Y | - | - |
| Teacher\_id | Int | Y | - | FK |
| Status\_id | Int | Y | - | FK |
| Student\_count | Int | Y | 0 | - |
| Course\_fees | Int | Y | - | - |
| Concession | Int | Y | 0 | - |

Duration in days, concession in percent, upload\_folder will be created (batch\_id+batch\_name), mode = online, offline

Frequency = alternate days, regular,

**Enrollment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| enrollment\_id | Int | Y | - | PK |
| Batch\_id | Int | Y | - | FK |
| Student\_id | Int | Y | - | FK |
| Enrolled\_on | Date | Y | - | - |
| Fees\_paid | Int | Y | 0 | - |
| Attendance | Int | Y | 0 | - |
| Status\_id | Int | Y | - | FK |

**Enrollment\_notes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Enrollment\_note\_id | Int | Y | - | PK |
| Enrollment\_id | Int | Y | - | FK |
| Note\_date | Date | Y | - | - |
| Note | Varchar(500) | Y | - | - |

**Attendance**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| attendance\_id | Int | Y | - | PK |
| Enrollment\_id | Int | Y | - | FK |
| Date | Date | Y | - | - |
| Attended | Bool | Y | False | - |

**Tags**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| tag\_id | Int | Y | - | PK |
| Tag\_name | Varchar(40) | Y | - | - |
| Course\_id | Int | Y | - | FK |

**Folders**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| folder\_id | Int | Y | - | PK |
| Batch\_id | Int | Y | - | FK |
| Folder\_path | Varchar(40) | Y | - | - |
| Parent\_folder\_id | Int | - | - | FK |

upload\_folder will be created (batch\_id+batch\_name) then you can create sub folders in it.

**Files**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| file\_id | Int | Y | - | PK |
| File\_name | Varchar(40) | Y | - | - |
| Folder\_id | Int | Y | - | FK |

**messages**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| message\_id | Int | Y | - | PK |
| Enrollment\_id | Int | Y | - | FK |
| Message | Varchar(500) | Y | - | - |
| Time | Timestamp | Y | - | - |
| Who | Bool | Y | - | - |

Who: 1 means student, 0 means teacher

**Wishlist**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| wishlist\_id | Int | Y | - | PK |
| Course\_id | Int | Y | - | FK |
| Student\_id | Int | Y | - | FK |

**Vacancies**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| vacancy\_id | Int | Y | - | PK |
| institute\_id | Int | Y | - | FK |
| Date | Date | Y | - | - |
| Title | Varchar (60) | Y | - | - |
| Description | Varchar (300) | Y | - | - |
| Status\_id | Int | Y | - | FK |

**applicants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| applicant\_id | Int | Y | - | PK |
| vacancy\_id | Int | Y | - | FK |
| Teacher\_id | Int | Y | - | - |
| Status\_id | Int | Y | - | FK |