## **Database Design/Table**

### **UserDB**

|  |  |  |
| --- | --- | --- |
| **Field Name** | **Data Type** | **Constarints** |
| Uid | long | PK |
| fname | varchar |  |
| lname | varchar |  |
| email | varchar |  |
| mobile | varchar |  |
| address | varchar |  |
| createdon | Timestamp |  |
| modifiedon | Timestamp |  |

### **login**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| loginid | int | PK |
| Uid | long | FK |
| password | varchar |  |
| role\_id | varchar | FK |

### **Role**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| role\_id | int | PK |
| role\_name | varchar |  |

### 

### **Course**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| courseID | int | PK |
| courseName | varchar |  |
| Uid | long | FK |
| createdon | Timestamp |  |
| lastupdatedon | Timestamp |  |
| status | int | Check [0/1], notnull |
| duration | varchar |  |

### **Topic**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| topicID | int | PK |
| courseID | int | FK |
| topicname | varchar |  |
| createdon | Timestamp |  |
| lastupdatedon | Timestamp |  |
| status | varchar | Check [0/1], notnull |
| Uid | long | FK |

### **Subtopic**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| subtopicID | int | PK |
| topicID | int | FK |
| subtopicname | varchar |  |
| createdon | Timestamp |  |
| lastupdatedon | Timestamp |  |
| status | int | Check [0/1], notnull |
| Uid | long | FK |

### **subtopiccontent**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| subtopicID | int | FK |
| description | varchar |  |
| type | int | Check [text/image/video], notnull |
| Uid | long | FK |
| createdon | Timestamp |  |
| lastupdatedon | Timestamp |  |
| updatedon | Timestamp |  |
| status | int | Check [0/1], notnull |

### **UserSubscription**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| Uid | int | FK |
| courseID | int | FK |
| subscriptionon | Timestamp |  |
| lastaccesedon | Timestamp |  |
| lastupdatedon | Timestamp |  |
| status | int | Check [0/1], notnull |

### **UserProgress**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| Uid | int | FK |
| subtopicID | int |  |
| lastaccessedon | Timestamp |  |
| notes | varchar |  |
| status | int | Check [0/1], notnull |

### **Tests**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| testid | int | PK |
| subtopicID | int | FK |
| title | varchar |  |
| type | varchar |  |
| description | varchar |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |

### **Questions**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| qid | int | PK |
| testid | int | FK |
| subtopicID | int | FK |
| question | varchar |  |
| type | varchar |  |
| description | varchar |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |

### **Questionanswers**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| qID | int | FK |
| answer | varchar |  |
| description | varchar |  |
| score | int |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |

### **Notesupload**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| nID | int | PK |
| subtopicid | int | FK |
| Uid | int | FK |
| description | varchar |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |

### **Homeworkupload**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| hwID | int | PK |
| subtopicid | int | FK |
| Uid | int | FK |
| description | varchar |  |
| deadline | Timestamp |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |

### **YoutubeHistory**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| yID | int | PK |
| Uid | int | FK |
| Timestamp | Timestamp |  |
| description | varchar |  |
| createdon | Timestamp |  |
| result | varchar |  |

### **CourseFeeInfo**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| cfID | int | PK |
| courseID | int | FK |
| fee | int |  |
| maxdiscount | int |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |
| uid | long | FK |

### **StudentCourseSubscription**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| csID | int | PK |
| courseID | int | FK |
| uid | long | FK |
| feeamt | int |  |
| subon | Timestamp |  |
| expon | Timestamp |  |
| createdon | Timestamp |  |
| status | int | Check [0/1], notnull |

### **DisctionaryUseHistory**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| dshID | int | PK |
| Uid | int | FK |
| keyword | varchar |  |
| description | varchar |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |
| result | varchar |  |

### **WikipediaUseHistory**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| wshID | int | PK |
| Uid | int | FK |
| keyword | varchar |  |
| description | varchar |  |
| createdon | Timestamp |  |
| updatedon | Timestamp |  |
| result | varchar |  |

### **UserUseHistory**

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Constraints |
| uuhID | int | PK |
| Uid | int | FK |
| logintime | Timestamp |  |
| exittime | Timestamp |  |
| timespent | Timestamp |  |
| screentime | Timestamp |  |
| screenoftime | Timestamp |  |