|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| Stud\_id | No | Int | 5 | Student ID | student\_acct(stud\_id) |
| stud\_name | No | Varchar | 20 | Name |  |
| S\_branch | No | Varchar | 4 | Branch of student |  |

student\_basic

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| Stud\_id | No | Int | 5 | Student ID | student\_acct(stud\_id) |
| stud\_name | No | Varchar | 20 | Name |  |
| s\_email | No | Varchar | 20 | Email associated with student account |  |
| s\_phone\_no | Yes | Int | 10 | Phone number of student |  |
| Address | Yes | Varchar | 50 | Address |  |
| DOB | Yes | Date |  | Date of birth |  |

student\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| Stud\_id | No | Int | 5 | Student ID | student\_acct(stud\_id) |
| stud\_name | No | Varchar | 20 | Name |  |
| Branch | No | Varchar | 4 | Branch |  |
| Semester | No | Int | 1 | Semester |  |
| University | No | Varchar | 10 | University the college is associated with |  |
| College | No | Varchar | 15 | Name of college |  |
| graduation\_year | No | Int | 4 | Year of graduation |  |
| Exam | No | Varchar[] | 10 | Exams the student is interested in attending |  |

student\_college\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| stud\_id | No | Int | 5 | Student ID | Primary |
| stud\_name | No | Varchar | 20 | Name |  |
| student\_email | No | Varchar | 20 | Email associated with the account |  |
| account\_name | No | Varchar | 20 | The username of the student |  |
| Passwd | No | Varchar | 30 | The password of the account |  |
| recovery\_email | No | Varchar | 20 | The recovery email if passwd is lost |  |

student\_acct

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| Stud\_id | No | Int | 5 | Student ID | student\_acct(stud\_id) |
| Date\_last\_active | No | Datetime |  | The timestamp of last student activity |  |
| student\_merit\_points | No | Int | 4 | The merit points accumulated by the student | Derived |
| module\_last\_finished | No | Int | 4 | The module ID which was last completed by the student | Foreign |
| last\_activity\_id | No | Int | 4 | The content ID which was last viewed by the student | Foreign |
| Account status | No | Varchar | 3 | Whether the student account is basic or premium |  |

account\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| a\_id | No | Int | 4 | Admin ID | Primary |
| a\_name | No | Varchar | 20 | Admin name |  |
| a\_email | No | Varchar | 15 | Admin email |  |
| account\_name | No | Varchar | 20 | The username of the student |  |
| Passwd | No | Varchar | 30 | The password of the account |  |
| recovery\_email | No | Varchar | 20 | The recovery email if passwd is lost |  |

admin\_acct

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| lect\_id | No | Int | 4 | Lecturer ID | Primary |
| lect\_name | No | Varchar | 20 | Lecturer name |  |
| l\_email | No | Varchar | 15 | lecturer email |  |
| account\_name | No | Varchar | 20 | The username of the student |  |
| Passwd | No | Varchar | 30 | The password of the account |  |
| recovery\_email | No | Varchar | 20 | The recovery email if passwd is lost |  |

lecturer\_acct

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| lect\_id | No | Int | 4 | Lecturer ID | lecturer\_acct(lect\_id) |
| lect\_name | No | Varchar | 20 | Lecturer name |  |
| l\_email | No | Varchar | 15 | lecturer email |  |
| l\_phone\_no | Yes | Int | 10 | Phone number of lecturer |  |
| Address | Yes | Varchar | 50 | Address |  |
| DOB | Yes | Date |  | Date of birth |  |

lecturer\_basic

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| feedback\_id | No | Int | 4 | The ID of feedback entry | feedback(f\_id) |
| s\_id | No | Int | 4 | The student Id | student\_acct(stud\_id) |
| lect\_id | No | Int | 4 | Lecturer ID | lecturer\_acct(lect\_id) |
| rating\_percent | No | Int | 3 | The percentage of rating given | Derived |
| review\_time | No | Datetime |  | The timestamp of rating that was given |  |

lecturer\_feedback

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| feedback\_id | No | Int | 4 | The ID of feedback entry | feedback(f\_id) |
| s\_id | No | Int | 4 | The student Id | student\_acct(stud\_id) |
| cont\_id | No | Int | 4 | content ID | foreign |
| rating\_percent | No | Int | 3 | The percentage of rating given | Derived |
| review\_time | No | Datetime |  | The timestamp of rating that was given |  |

content\_feedback

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| f\_if | No | Int | 4 | The feedback ID | Primary |
| f\_content | No | Longblob | 100 | The contents of the feedback |  |

Feedback

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| content\_id | No | Int | 4 | The ID of content | Primary |
| content\_name | No | Varchar | 25 | The name of content |  |
| uploader\_id | No | Int | 4 | The ID of the uploader | lecturer\_acct(lect\_id) |
| upload\_date | No | Datetime |  | The timestamp at which upload occurred |  |
| Content-type | No | Varchar | 10 | Type of content – discussion post, transcript, lecture text, viedo |  |
| Associated\_chapter | No | Int | 4 | Chapter ID of content | Foreign |
| associated\_module | No | Int | 4 | Module iD | Foreign |
| Subject | No | Int | 4 | Subject ID | Foreign |
| playlist\_id | No | Int | 3 | The index in the sequence in which the video appears in module |  |
| content\_url | No | Varchar |  | The URL of content where conttent is located in server |  |

content\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| playlist\_id | No | Int | 4 | The ID of the playlist of videos | Primary |
| p\_name | No | Varchar | 25 | The name of video playlst |  |
| module\_id | No | Int | 4 | The Id of module with which playlist is associated | Foreign |
| creation\_date | No | Datetime |  | The creation timestamp |  |
| creator\_id | No | Int | 4 | The Id of lecturer who created playlist | lectuter\_acct(lect\_id) |

playlist\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| content\_id | No | Int | 4 | The ID of content | Primary |
| content\_name | No | Varchar | 25 | The name of content |  |
| module\_name | No | Varchar | 10 | The ID of the module in which the lecture is placed | Foreign |
| subject\_id | No | Int | 4 | The Id of the subject that the lecture is part of | Foreign |
| merit\_points | No | Int | 3 | The total merit points accrued by the content | derived |

lecture\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| post\_id | No | Int | 4 | The ID of the discussion post | Primary |
| creator\_id | No | Int | 4 | The ID of student moderator wh0 creates the discussion post | stud\_acct(stud\_id) |
| thread\_name | No | Varchar | 30 | The name of the thread under which the discussion post is filed |  |
| Creation date | No | Datetime |  | The timestamp at which the post was created |  |
| previous\_chain | No | Int | 4 | The ID of the post which was the previous in a chain ( if the current discussion post is a reply of some other) |  |
| Content | No | Varchar | 100 | The content of the post |  |
| merit\_id | No | Int | 4 | The ID of the post in merit table | merit\_details(merit\_id) |

discussion\_posts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| merit\_id | No | Int | 4 | The ID of the content in merit table | Primary |
| content\_id | No | Int | 4 | The ID of the content | content\_details(content\_id) |
| upvote\_count | No | Int | 3 | The number of upvotes for the post |  |
| downvote\_count | No | Int | 3 | The number of downvotes for the post |  |
| merit\_points | No | Int | 3 | The number of merit points accorded to the post | derived |

merit\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| comment\_id | No | Int | 4 | The ID of comment | Primary |
| content\_id | No | Int | 4 | The ID of content with which coment is associated | content\_details(content\_id) |
| creator\_id | No | Int | 4 | The ID of creator | student\_acct(stud\_id) |
| creation\_date | No | Datetime |  | The timestamp of creation |  |
| parent\_id | No | Int | 4 | The ID of comment which is the parent (root if 1st level content) |  |
| upvote\_count | No | Int | 3 | The number of upvotes for the post |  |
| downvote\_count | No | Int | 3 | The number of downvotes for the post |  |
| merit\_points | No | Int | 3 | The number of merit points accorded to the post | derived |

comment\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| question\_id |  |  |  |  | Primary |
| Creator\_id |  |  |  |  |  |
| answer\_id |  |  |  |  | answer\_table(answer\_id) |
| question\_content | No | Varcahr | 100 | The content of the answer |  |
| creation\_time |  |  |  |  |  |
| Keywords |  | Varchar[] |  |  |  |
| upvote\_count |  |  |  |  |  |
| downvote\_count |  |  |  |  |  |
| merit\_points |  |  |  |  |  |

question\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| answer\_id |  |  |  |  | Primary |
| question\_id |  |  |  |  | question\_table(question\_id) |
| creator\_id |  |  |  |  | lect\_acct(lect\_id) |
| answer\_content |  | Varchar | 100 |  |  |
| creation\_time |  |  |  |  |  |
| Upvote\_count |  |  |  |  |  |
| downvote\_count |  |  |  |  |  |

answer\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| Test\_id |  |  |  |  | Primary |
| test\_name |  |  |  |  | foreign |
| subject\_id |  |  |  |  | foreign |
| chapter\_id |  |  |  |  | foreign |
| test\_time |  | Time |  | Time taken to finish test |  |
| no\_of\_questions |  |  |  |  |  |

test\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| q\_id | No |  |  | The ID of field in question table | primary |
| test\_id |  |  |  |  | test(test\_id) |
| q\_question |  |  |  | Question content for test |  |
| q\_answer\_content |  |  |  | Answer to question |  |

test\_questions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| module\_id |  |  |  |  | Primary |
| Module\_name |  |  |  |  |  |
| subject\_id |  |  |  |  | foreign |
| chapter\_id |  |  |  |  | foreign |

module\_table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| module\_id |  |  |  |  | modle(module\_id) |
| content\_id |  |  |  |  | content\_details(content\_id) |

module\_contents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| chapter\_id |  |  |  |  | Primary |
| chapter\_name |  |  |  |  |  |
| subject\_id |  |  |  |  | Foreign |
| submodule\_count |  |  |  |  |  |

chapter\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| subject\_id |  |  |  |  | Primary |
| subject\_name |  |  |  |  |  |
| subchapter\_count |  |  |  |  |  |
| lecturer\_id |  |  |  | ID of lecturer responsible for the subject | lect\_acct(lect\_id) |

subject\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| stud\_id |  |  |  |  | student\_acct(stud\_id) |
| subject\_id |  |  |  |  | subject\_details(subject\_id) |
| module\_id |  |  |  |  | module(module\_id) |
| lect\_id |  |  |  |  | lecturer\_acct(lect\_id) |
| question\_id |  |  |  |  | question\_table(question\_id) |

questions\_to\_lecturer

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| result\_id |  |  |  |  | test\_result(result\_id) |
| test\_id |  |  |  |  | test\_details(test\_id) |
| question\_id |  |  |  |  | question\_table(question\_id) |
| student\_answer |  |  |  | Content of student answer |  |
| Correctness\_percent |  |  |  | How correct the student answer is | Derived |
| stud\_id |  |  |  |  | student\_acct(stud\_id) |

test\_response\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
| result\_id |  |  |  |  | primary |
| stud\_id |  |  |  |  | student\_acct(stud\_id) |
| test\_id |  |  |  |  | test\_details(test\_id) |
| questions\_correct |  |  |  |  | Derived |
| question\_incorrect |  |  |  |  | Derived |
| time\_taken |  |  |  |  |  |
| test\_grade |  |  |  |  |  |

test\_result\_details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column name** | **Optional** | **Data type** | **Length** | **Description** | **Key** |
|  |  |  |  |  |  |