| **Table 2: USER Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| USER | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_EMAIL | Email address | VARCHAR(30) | XXXX@XX.XX |  | Y |  |  |
|  | USER\_PASS | Password | CHAR(60) | XXXXXX |  | Y |  |  |
|  | USER\_FNAME | First name | VARCHAR(30) | XXXX XXXX |  | Y |  |  |
|  | USER\_LNAME | Last name | VARCHAR(30) | XXXX XXXX |  | Y |  |  |
|  | UNI\_ID\_NUM | Id number of your school id | VARCHAR(30) | XXXXX |  |  |  |  |
|  | USER\_PNUM | Phone number | VARCHAR(11) | 09XXXXXXXXX |  |  |  |  |
|  | USER\_PIC | Profile picture | BLOB |  |  |  |  |  |
|  | USER\_ABOUTME | About me content | VARCHAR (MAX) | XXXXX |  |  |  |  |
|  | USER\_TYPE | Account Type: Student, Teacher, Professional, Admin | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | USER\_STATUS | Account Status: Active, Deactivated, Suspended | VARCHAR (30) | XXXXX |  | Y |  |  |
|  | USER\_PASS\_ RECOVERY\_ CODE | Code for password recovery | VARCHAR | XXXXX |  |  |  |  |
|  | IS\_PREMIUM | 1 if premium, 0 if not | BOOL | 1 |  | Y |  |  |
|  | REFERRAL\_CODE | A code to share for platform benefits | VARCHAR(5) | XXXXX |  |  |  |  |
|  | REFERRED\_USER\_COUNT | How many user used their code | INT | 9 |  |  |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 3: STUDENT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| STUDENT | STUD\_ID | Student Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | UNI\_BRANCH\_ID | University Branch Id | BIGINT | 999999 | 1-999999 |  | FK | UNIVERSITY\_BRANCH |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 4: TEACHER Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| TEACHER | TEACHER\_ID | TeacherId | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | UNI\_BRANCH\_ID | University Branch Id | BIGINT | 999999 | 1-999999 |  | FK | UNIVERSITY\_BRANCH |
|  | INS\_POSITION | Professor Position/Title | VARCHAR(60) | XXXXX |  |  |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 5: INSTITUTION\_ADMIN Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| INSTITUTION\_ADMIN | INS\_AD\_ID | Institution Admin Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id of the institution id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | INSUB\_ID | Institutional Subscription Id | BOOLEAN | 1 |  | Y |  |  |
|  | INS\_ADMIN\_PROOF | A proof that they are part of the institution |  |  |  |  |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 6: UNIVERSITY Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| UNIVERSITY | UNI\_ID | University Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | UNI\_NAME | University name | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 7: UNIVERSITY\_BRANCH Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| UNIVERSITY\_BRANCH | UNI\_BRANCH\_ID | University branch Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | UNI\_ID | University Id | BIGINT | 999999 | 1-999999 | Y | FK | UNIVERSITY |
|  | UNI\_BRANCH \_NAME | University branch name | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 8: DEPARTMENT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| DEPARTMENT | DEPT\_ID | Department Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | UNI\_BRANCH\_ID | Associated university branch id | BIGINT | 999999 | 1-999999 | Y | FK | UNIVERSITY\_BRANCH |
|  | DEPT\_NAME | Department name | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | ADDED\_BY | Username that add the department | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 9: COURSE Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| COURSE | COURSE\_ID | Course Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | DEPT\_ID | Department Id | BIGINT | 999999 | 1-999999 | Y | FK | DEPARTMENT |
|  | COURSE\_NAME | Program/Course name | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | ADDED\_BY | User that add the course | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 10: SECTION Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| SECTION | SECTION\_ID | User history Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | COURSE\_ID | Department Id | BIGINT | 999999 | 1-999999 | Y | FK | DEPARTMENT |
|  | SECTION\_NAME | Program/Course name | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | ADDED\_BY | User that add the section | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 11: CLASS Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CLASS | CLASS\_ID | Class Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | TEACHER\_ID | Instructor user Id | BIGINT | 999999 | 1-999999 | Y | FK | TEACHER |
|  | SECTION\_ID | SectionId | BIGINT | 999999 | 1-999999 | Y | FK | SECTION |
|  | CLASS\_CODE | Generated class code | VARCHAR | XXXXX |  |  |  |  |
|  | CLASS\_NAME | Class name | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CLASS\_STATUS | Status: Removed |  |  |  |  |  |  |
|  | MAX\_STUD\_NUM | How many student can enter the class | INT | 9 |  |  |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 12: CLASS\_STUDENT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CLASS\_STUDENT | CLASS\_ID | Class Id | BIGINT | 999999 | 1-999999 | Y | PK1, FK1 | CLASS |
|  | STUD\_ID | Student user Id | BIGINT | 999999 | 1-999999 | Y | PK2, FK2 | STUDENT |
|  | JOINED\_AT | Date joined | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | LEAVE\_AT | Date left | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 13: CAPSTONE\_DOC Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CAPSTONE\_DOC | CAP\_DOC\_ID | Capstone document Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | CLASS\_ID | Class Id | BIGINT | 999999 | 1-999999 | Y | FK | CLASS |
|  | UNI\_BRANCH\_ID | University Branch Id | BIGINT | 999999 | 1-999999 |  | FK | UNIVERSITY\_BRANCH |
|  | CAP\_DOC\_TITLE | Capstone document title | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | CAP\_DOC\_DESC | Like a rationale, abstract or summary | VARCHAR(MAX) | XXXXX |  |  |  |  |
|  | CAP\_DOC\_CONTENT | Pdf of capstone document | BLOB |  |  | Y |  |  |
|  | CAP\_DOC\_STATUS | Document Status: Approved, Rejected, Published, Draft | VARCHAR(1) | X |  | Y |  |  |
|  | CAP\_DOC\_ADVISER | Capstone adviser name | VARCHAR(30) | XXXXX |  |  |  |  |
|  | CAP\_DOC\_VIEW\_COUNT | How many visited the document | INT | 9 |  |  |  |  |
|  | IS\_PUBLISHED | Is document publish | BOOLEAN | 0 |  | Y |  |  |
|  | CAP\_DOC\_RATING | Capstone document rating | DECIMAL | 0.0 |  |  |  |  |
|  | CAP\_DOC\_CITATION | APA Citation of the document | VARCHAR(60) | XXXXX |  |  |  |  |
|  | MODIFIED\_AT | Date modified | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 14: REVISION\_HISTORY Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| REVISION | REVISION\_ID | Revision History Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | CAP\_DOC\_ID | Capstone Document Id | BIGINT | 999999 | 1-999999 | Y | FK | CAPSTONE\_DOC |
|  | TEACHER\_ID | Reviewed By | BIGINT | 999999 | 1-999999 | Y | FK | TEACHER |
|  | TEACHER\_COMMENT | Instructor’s comment | VARCHAR(MAX) | XXXXX |  |  |  |  |
|  | REVISED\_AT | Date revised | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | REVIEWED\_AT | Date reviewed | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 15: AUTHOR Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| AUTHOR | STUD\_ID | Student user Id | BIGINT | 999999 | 1-999999 | Y | PK1, FK1 | STUDENT |
|  | CAP\_DOC\_ID | Capstone document Id | BIGINT | 999999 | 1-999999 | Y | PK2, FK2 | CAPSTONE\_DOC |

| **Table 16: TAG Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| TAG | TAG\_ID | Tag Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | TAG\_NAME | Tag name | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 17 : CAP\_DOC\_TAG Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CAP\_DOC\_TAG | TAG\_ID | Tag Id | BIGINT | 999999 | 1-999999 | Y | PK1, FK1 | TAG |
|  | CAP\_DOC\_ID | Capstone document Id | BIGINT | 999999 | 1-999999 | Y | PK2, FK2 | CAPSTONE\_DOC |

| **Table 18: SUBSCRIPTION\_PLAN Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| SUBSCRIPTION\_PLAN | PLAN\_ID | Subscription plan Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | PLAN\_NAME | Subscription plan name | VARCHAR(30) | XXXXX | 1-999999 | Y |  |  |
|  | PLAN\_PRICE | Subscription plan price | DECIMAL | 0.0 |  | Y |  |  |
|  | PLAN\_TERM | Subscription plan term | INT | 0 |  | Y |  |  |
|  | PLAN\_TYPE | Type: Personal, Institutional | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | PLAN\_USER\_NUM | Default maximum number of user | VARCHAR(30) | XXXXX |  |  |  |  |
|  | PLAN\_DISCOUNT | Plan discount | DECIMAL | 0.0 |  |  |  |  |
|  | PLAN\_FREE\_TRIAL | How many days for free trial | INT | 9 |  |  |  |  |
|  | PLAN\_FEATURES | List of features | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 19: PERSONAL\_SUBSCRIPTION Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| PERSONAL\_SUBSCRIPTION | PERSUB\_ID | Personal subscription Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | PLAN\_ID | Plan Id | BIGINT | 999999 | 1-999999 | Y | FK | SUBSCRIPTION\_PLAN |
|  | PERSUB \_STATUS | Status: Active, Paused, Expired, Canceled | VARCHAR(1) | X |  | Y |  |  |
|  | TOTAL\_AMOUNT | Amount of the subscription | DECIMAL | 0.0 |  | Y |  |  |
|  | START\_DATE | Date subscription started | DATE | YYYY-MM-DD |  | Y |  |  |
|  | END\_DATE | Date subscription ended | DATE | YYYY-MM-DD |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 20: INSTITUTION\_SUBSCRIPTION Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| INSTITUTION\_SUBSCRIPTION | INSUB\_ID | Personal subscription Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | UNI\_BRANCH\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | UNIVERSITY\_BRANCH |
|  | PLAN\_ID | Plan Id | BIGINT | 999999 | 1-999999 | Y | FK | SUBSCRIPTI0N\_PLAN |
|  | INSUB \_STATUS | Status: Active, Paused, Expired, Canceled | VARCHAR(1) | X |  | Y |  |  |
|  | INSUB\_NUM\_USER | Number of users affiliated | INT | XXXXX |  | Y |  |  |
|  | TOTAL\_AMOUNT | Amount of the subscription | DECIMAL | 0.0 |  |  |  |  |
|  | INSUB\_DOC | Csv for the list of users | BLOB |  |  | Y |  |  |
|  | START\_DATE | Date subscription started | DATE | YYYY-MM-DD |  | Y |  |  |
|  | END\_DATE | Date subscription ended | DATE | YYYY-MM-DD |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 21: TRANSACTION Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| TRANSACTION | TRANS\_ID | Transaction Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | INSUB\_ID | Institution subscription Id | BIGINT | 999999 | 1-999999 |  | FK | INSTITUTION\_ SUBSCRIPTION |
|  | PERSUB\_ID | Personal Subscription Id | BIGINT | 999999 | 1-999999 |  | FK | PERSONAL\_ SUBSCRIPTION |
|  | TRANS\_TYPE | Type: Institution, Personal | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | TRANS\_AMOUNT | Total amount | DECIMAL | 0.0 |  | Y |  |  |
|  | PAYMENT\_METHOD | Payment method | VARCHAR(30) |  |  | Y |  |  |
|  | TRANS\_DATE | Transaction date | DATE | YYYY-MM-DD |  | Y |  |  |

| **Table 22: CHAT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CHAT | CHAT\_ID | Chat Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | FROM\_ID | User id of the sender | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | TO\_ID | User id of the receiver | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | CHAT\_MESSAGE | Message contents | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | CHAT\_IS\_SEEN | If message is seen 1, else 0 | BOOLEAN | 0 |  |  |  |  |
|  | SENT\_AT | Date sent | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 23: SAVE\_PROJECTS Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| SAVE\_PROJECTS | SAVE\_PROJECTS\_ID | Save Projects Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | CAP\_DOC\_ID | Capstone document Id | BIGINT | 999999 | 1-999999 | Y | FK | CAPSTONE\_DOC |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | SAVE\_AT | Date added | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 24: DOC\_COMMENT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| DOC\_COMMENT | COMM\_ID | Comment Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | CAP\_DOC\_ID | Capstone document id | BIGINT | 999999 | 1-999999 | Y | FK | CAPSTONE\_DOC |
|  | COMM\_CONTENT | Comment content | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 25: FORUM Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| FORUM | FORUM\_ID | Forum Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | Creator’s user Id | BIGINT | 999999 | 1-999999 | Y |  |  |
|  | FORUM\_TITLE | Forum title | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | FORUM\_DESC | Description of the forum | VARCHAR (MAX) | XXXXX |  |  |  |  |
|  | FORUM\_TYPE | Type: Title Suggestion, Discussion | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | FORUM\_ATTACHMENT | Attachment of the forum | BLOB |  |  |  |  |  |
|  | FORUM\_VIEW\_COUNT | How many visits the forum | INT | 9 |  | Y |  |  |
|  | FORUM\_LIKE\_COUNT | How many like the forum | INT | 9 |  |  |  |  |
|  | FORUM\_STATUS | Type: Solved, Not Solved | VARCHAR(30) |  |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 26: POST Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| POST | POST\_ID | Post Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | FORUM\_ID | Forum Id | BIGINT | 999999 | 1-999999 | Y | FK | FORUM |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | POST\_CONTENT | Post content | VARCHAR(MAX) | XXXXX |  |  |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 27: REPLIES Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| REPLIES | REPLIES\_ID | Replies Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | POST\_ID | Post Id | BIGINT | 999999 | 1-999999 |  | FK | POST |
|  | COMM\_ID | Comment Id | BIGINT | 999999 | 1-999999 |  | FK | COMMENT |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | REPLY\_CONTENT | Post content | VARCHAR(MAX) | XXXXX |  |  |  |  |
|  | REPLY\_TYPE | Type: Comment, Post | VARCHAR(1) | X |  |  |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 28: FORUM\_TAG Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| FORUM\_TAG | FORUM\_ID | Forum Id | BIGINT | 999999 | 1-999999 | Y | PK1, FK1 | FORUM |
|  | TAG\_ID | Tag Id | BIGINT | 999999 | 1-999999 | Y | PK2, FK2 | TAG |

| **Table 29: NOTIFICATION Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| NOTIFICATION | NOTIF\_ID | Notification Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | NOTIF\_CONTENT | Notification content | VARCHAR(60) | XXXXX |  | Y |  |  |
|  | NOTIF\_TYPE | Type: Chat, Forum, Subscription | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 30: FOLLOW Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| FOLLOW | FOLLOW\_ID | User’s follower Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | FOLLOWER\_USER\_ID | Follower’s user id | BIGINT | 999999 | 1-999999 |  | FK | USER |
|  | FOLLOWING\_USER\_ID | Following user id | BIGINT | 999999 | 1-999999 |  | FK | USER |
|  | FOLLOWED\_AT | Date added | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 31: SUBSCRIPTION\_HISTORY Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| SUBSCRIPTION\_HISTORY | SUB\_HIS\_ID | Subscription History Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | INSUB\_ID | Institutional Subscription Id | BIGINT | 999999 | 1-99999 |  | FK | INSTITUTIONAL\_SUBSCRIPTION |
|  | PERSUB\_ID | Personal Subscription Id | BIGINT | 999999 | 1-99999 |  | FK | PERSONAL\_SUBSCRIPTION |
|  | ACTIVITY | Description of the activity | VARCHAR(MAX) | XXXXX |  |  |  |  |
|  | SUB\_HIS\_TYPE | Type: Institutional, Personal | VARCHAR(30) | XXXXX |  |  |  |  |
|  | CREATED\_AT | Date created | DATETIME | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 32: USER\_LOGS Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| USER\_LOGS | USER\_LOGS\_ID | User history Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | ACTIVITY | Description of the activity | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | LOG\_ACTIVITY\_CONTENT | Content of the activity | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 33: FEEDBACKS Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| FEEDBACKS | FEEDBACK\_ID | Feedback Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | FEEDBACK\_CONTENT | User’s suggestion |  |  |  |  |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 34: REPORTS Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| REPORTS | REPORT\_ID | Feedback Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | REPORTER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | REPORTED\_ID | Id of the reported content | BIGINT |  |  | Y | FK | USER |
|  | REPORT\_TYPE | Reason for the submitted report | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | REPORT\_ATTACHMENT | Screenshots or evidence | BLOB |  |  |  |  |  |
|  | REPORT\_STATUS | Status: Closed, For Review, Solved | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | REPORTED\_AT | Date report submitted | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | CLOSED\_AT | Date Solved or closed | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 35: REPORTS\_TYPE Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| REPORTS\_TYPE | TYPE\_ID | Report Reason Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | Created By User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | TYPE\_NAME | Description of the reason | VARCHAR(50) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |

| **Table 36: ACCESS\_CONTROL Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| ACCESS\_CONTROL | ACCESS\_ID | Access Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | User Id | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | ROLE | User role | VARCHAR(50) | XXXX |  | Y |  |  |
|  | DASHBOARD\_ACCESS | Permission access to dashboard page | VARCHAR(50) | YES |  | Y |  |  |
|  | USER\_ACCESS | Permission access to user page | VARCHAR(50) | YES |  | Y |  |  |
|  | ARCHIVE\_ACCESS | Permission access to archive page | VARCHAR(50) | YES |  | Y |  |  |
|  | SUBSCRIPTION&BILLING\_ACCESS | Permission access to subscription & billing page | VARCHAR(50) | YES |  | Y |  |  |
|  | REPORTS&FEEDBACK\_ACCESS | Permission access to reports & feedbacks page | VARCHAR(50) | YES |  | Y |  |  |
|  | TERMS&CONDITION\_ACCESS | Permission access to terms and condition page | VARCHAR(50) | YES |  | Y |  |  |
|  | PLAN\_ACCESS | Permission access to plan page | VARCHAR(50) | YES |  | Y |  |  |
|  | FAQ\_ACCESS | Permission access to faq page | VARCHAR(50) | YES |  | Y |  |  |
|  | ADVANCED\_ACCESS | Permission access to advance page | VARCHAR(50) | YES |  | Y |  |  |
|  | CAN\_EDIT | Permission to edit | VARCHAR(50) | YES |  | Y |  |  |
|  | CAN\_ADD | Permission to add | VARCHAR(50) | YES |  | Y |  |  |
|  | CAN\_DELETE | Permission to delete | VARCHAR(50) | YES |  | Y |  |  |

| **Table 37: CUSTOM\_CONTENT Table** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table** | **Attribute Name** | **Contents** | **Data Type** | **Format** | **Range** | **Required** | **PK or FK** | **FK Referenced Table** |
| CUSTOM\_CONTENT | CONTENT\_ID | Content Id | BIGINT | 999999 | 1-999999 | Y | PK |  |
|  | USER\_ID | Id of the person who added | BIGINT | 999999 | 1-999999 | Y | FK | USER |
|  | CONTENT\_TYPE | Type: Agreement, Receipt, FAQs | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | CONTENT\_TITLE | Title of the content | VARCHAR(30) | XXXXX |  | Y |  |  |
|  | SUBJECT | Subject of the message | VARCHAR(50) | XXXXX |  | Y |  |  |
|  | CONTENT\_TEXT | Content Description | VARCHAR(MAX) | XXXXX |  | Y |  |  |
|  | CREATED\_AT | Date created | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |
|  | EDITED\_AT | Date edited | TIMESTAMP | YYYY-MM-DD hh:mm:ss |  | Y |  |  |