Technical Discussion Forum

Database:

**Users**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| user\_id | Int | Y | - | PK |
| Name | char(50) | Y | - | - |
| Email | char(100) | Y | - | unique |
| Password | char(100) | Y | - | - |
| Start\_date | Date | Y | - | - |
| About me | Varchar(2000) | N | - | - |
| dob | date | Y | - | - |
| gender | char(1) | Y | - | - |
| Country\_id | Int | Y | - | FK |
| Contact | char(10) | Y | - | unique |
| pic\_path | char(255) | N | - | - |
| Status\_id | Int | Y | 1 | FK |
| Activation\_code | char(100) | N | - | - |
| user\_type\_id | int | Y | 3 | FK |
| question\_count | int | Y | 0 | - |
| reply\_count | int | Y | 0 | - |

**Topics**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| topic\_id | Int | Y | - | PK |
| Name | char(30) | Y | - | - |
| Question\_count | int | Y | 0 | - |
| Open\_questions | int | Y | 0 | - |
| Last\_post | Datetime | N | - | - |

**Posts**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| post\_id | Int | Y | - | PK |
| user\_id | int | Y | - | FK |
| post\_date | Datetime | Y | - | - |
| description | varchar(5000) | Y | - | - |
| post\_type | boolean | Y | - | - |
| spam\_count | int | Y | 0 | - |
| status\_id | int | Y | 2 | FK |

post types : question-0, reply-1

**Questions**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| question\_id | Int | Y | - | PK |
| post\_id | int | Y | - | FK |
| title | char(150) | Y | - | - |
| topic\_id | int | Y | - | FK |

**Replies**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| reply\_id | Int | Y | - | PK |
| post\_id | int | Y | - | FK |
| like\_count | int | Y | 0 | - |
| dislike\_count | int | Y | 0 | - |
| question\_id | int | Y | - | FK |

**Post\_data**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| post\_data\_id | Int | Y | - | PK |
| post\_id | int | Y | - | FK |
| description | varchar(1000) | N | - | - |
| pic\_path | char(150) | N | - | - |

**Wishlist**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| wishlist\_id | Int | Y | - | PK |
| post\_id | int | Y | - | FK |
| reply\_id | int | N | - | FK |
| user\_id | int | Y | - | FK |

**Moderators**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| moderator\_id | Int | Y | - | PK |
| user\_id | int | Y | - | FK |
| topic\_id | int | Y | - | FK |
| timezone | char(15) | Y | - | - |
| status\_id | int | Y | - | FK |

**Countries**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| country\_id | Int | Y | - | PK |
| name | char(50) | Y | - | - |
| flag | char(50) | Y | - | - |

**Status**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| status\_id | Int | Y | - | PK |
| name | char(25) | Y | - | - |

**User\_types**

| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| --- | --- | --- | --- | --- |
| user\_type\_id | Int | Y | - | PK |
| type | char(25) | Y | - | - |

admin-1, moderator-2, general user-3