## Database Structure

### Table: admin

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| username | VARCHAR(32) | NO | PK | (NULL) |  |  |
| Password | VARCHAR(32) | NO |  | (NULL) |  |  |

### Table: contact

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| contact\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| contact\_name | VARCHAR(255) | NO |  |  |  |  |
| contact\_email | VARCHAR(255) |  |  |  |  |  |
| contact\_subject | VARCHAR(255) |  |  |  |  |  |
| contact\_message | TEXT |  |  |  |  |  |
| contact\_reply | TEXT |  |  |  |  |  |
| contact\_status | TINYINT | NO |  | 0 |  | 0: Unread  1: Read  2: Replied |
| contact\_date | DATETIME |  |  |  |  |  |
| reply\_date | DATETIME |  |  |  |  |  |

### Table: faqs

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| faq\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| question | VARCHAR(255) |  |  |  |  |  |
| answer | TEXT |  |  |  |  |  |

### Table: feedbacks

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| feedback\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| user\_id | INT | NO | FK |  | users.user\_id |  |
| subject | VARCHAR(255) |  |  |  |  |  |
| message | TEXT |  |  |  |  |  |
| reply | TEXT |  |  |  |  |  |
| status | TINYINT | NO |  | 0 |  | 0: Unread  1: Read  2: Replied |
| feedback\_date | DATETIME |  |  |  |  |  |
| reply\_date | DATETIME |  |  |  |  |  |

### collections

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| collection\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| title | VARCHAR(255) |  |  |  |  |  |
| status | BIT | NO |  | 0 |  | 0: Disable  1:Enable |
| description | VARCHAR(255) |  |  |  |  |  |

### users

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| user\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| name | VARCHAR(255) | NO |  |  |  |  |
| username | VARCHAR(32) | NO |  |  | UNIQUE |  |
| password | VARCHAR(32) | NO |  |  |  |  |
| email | VARCHAR(255) | NO |  |  | UNIQUE |  |
| address | VARCHAR(255) | YES |  |  |  |  |
| gender | BIT | NO |  | 0 |  | 0:Female  1:Male |
| birth\_year | VARCHAR(4) |  |  |  |  |  |
| user\_status | TINYINT | NO |  | 0 |  | 0:Validating  1: Approved  2: Declined |
| reset\_password\_key | VARCHAR(32) | YES |  |  |  |  |
| join\_date | DATETIME |  |  |  |  |  |
| user\_avatar | VARCHAR(255) | YES |  |  |  |  |

### images

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| image\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| title | VARCHAR(255) | NO |  |  |  |  |
| user\_id | INT | NO | FK |  | users.user\_id |  |
| collection\_id | INT | NO | FK |  | collection.collection\_id |  |
| description | TEXT |  |  |  |  |  |
| filename | VARCHAR(255) | NO |  |  |  | File name of image |
| path | VARCHAR(255) | NO |  |  |  | Location of image |
| share\_status | TINYINT | NO |  |  |  | 0: Private  1: Friend  2: Public |
| upload\_date | DATETIME |  |  |  |  |  |
| modify\_date | DATETIME |  |  |  |  |  |
| view\_count | INT | NO |  |  |  |  |

### comments

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| comment\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| image\_id | INT | NO | FK |  | images.image\_id |  |
| user\_id | INT | NO | FK |  | users.user\_id |  |
| comment | TEXT |  |  |  |  |  |
| comment\_date | DATETIME |  |  |  |  |  |

### user\_friends

| Field | Type | Null | Key | Default | Extra | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| friend\_id | INT | NO | PK |  | IDENTITY(1,1) |  |
| user\_id | INT | NO | FK |  | users.user\_id |  |
| friend | INT | NO | FK |  | users.user\_id |  |
| request\_status | BIT | NO |  | 0 |  | 0: Requested  1: Approved |

## Database Constrains

### comments

Constraint:

* FOREIGN KEY: image\_id must exist
* FOREIGN KEY: user\_id must exist

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Add | Delete | Update |
| comments | +  images.image\_id  must exist  users.user\_id must exist | - | +  images.image\_id  must exist  users.user\_id must exist |