|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. no** | **Name** | **Datatype** | **Constraint** | **Description** |
| 1 | id | Integer | Primary Key | To store the User ID |
| 2 | first\_name | Varchar (100) | Not Null | To store the first name |
| 3 | last\_name | Varchar(100) | Not Null | To store the last name |
| 4 | username | Varchar(50) | Unique, Not Null | To store the username |
| 5 | email | Varchar | Unique, Not Null | To store the email address |
| 6 | phone | Varchar(10) | Nullable | To store the phone number |
| 7 | profile\_image | Varchar | Nullable | To store the profile image path |
| 8 | enrollment\_number | Varchar(12) | Unique, Not Null | To store the enrollment number |
| 9 | password | Varchar(128) | Not Null | To store the user password |
| 10 | confirm\_password | Varchar(128) | Not Null | To store the confirmed password |
| 11 | groups | ManyToMany | Nullable | To store user groups |
| 12 | user\_permissions | ManyToMany | Nullable | To store user permissions |

Category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | Category\_Name | CharField(100) | Required | Category name |

News

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | title | CharField(255) | Required | News article title |
| 2 | sub\_title | CharField(255) | Required | News article subtitle |
| 3 | category | ForeignKey(Category) | Required | Category of the news |
| 4 | author | CharField(50) | Required | Author of the news |
| 5 | content | RichTextField | Optional | Main content of the news |
| 6 | status | CharField(255) | Required | Status of the news (PUBLISH/DRAFT) |
| 7 | news\_image | ImageField | Required | Image associated with the news |
| 8 | likes | ManyToManyField(User) | Optional | Users who liked the news |
| 9 | created | DateTimeField | Auto Now Add | Timestamp when news was created |
| 10 | updated | DateTimeField | Auto Now | Timestamp when news was last updated |

Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | User | OneToOneField(User) | Required | User associated with the profile |
| 2 | Phone | CharField(15) | Optional | User's phone number |
| 3 | Gender | CharField(1) | Required | User's gender (M/F/O) |
| 4 | Enrollment\_number | CharField(12) | Unique, Required | User's enrollment number |
| 5 | Profile\_image | ImageField | Optional | User's profile picture |
| 6 | Bio | TextField | Optional | User's bio |
| 7 | Location | CharField(30) | Optional | User's location |
| 8 | Created | DateTimeField | Auto Now Add | Timestamp when profile was created |
| 9 | Updated | DateTimeField | Auto Now | Timestamp when profile was last updated |

Comments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | News | ForeignKey(News) | Required | News article associated with the comment |
| 2 | User | ForeignKey(User) | Required | User who posted the comment |
| 3 | Comment | TextField | Required | Comment text |
| 4 | Created | DateTimeField | Auto Now Add | Timestamp when comment was created |
| 5 | Updated | DateTimeField | Auto Now | Timestamp when comment was updated |

Contact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | Name | CharField(100) | Required | Name of the person contacting |
| 2 | Email | EmailField | Required | Contact email |
| 3 | Subject | CharField(200) | Required | Subject of the message |
| 4 | Message | TextField | Required | Message content |
| 5 | Created\_at | DateTimeField | Auto Now Add | Timestamp when message was created |

Login :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr No.** | **Field Name** | **Data Type** | **Constraints** | **Description** |
| 1 | Email | EmailField | Unique, Required | User's email address |
| 2 | Password | CharField(128) | Required | User's password |