**Normalization**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id [INT] | username [VARCHAR(150)] | password [VARCHAR(128)] | display\_name [VARCHAR (50)] | first\_name [VARCHAR(150)] | last\_name [VARCHAR(150)] | email [VARCHAR(254)] | address [VARCHAR(255)] |
| phone\_number [VARCHAR(15)] | is\_active [TINYINT(1)] | is\_staff [TINYINT(1)] | `is\_superuser [TINYINT(1)] | is\_admin [TINYINT(1)] | last\_login [DATETIME(6)] | date\_joined[DATETIME(6)] | details [TEXT] |
| category [VARCHAR(50)] | description [TEXT] | location [TEXT] | latitude [DECIMAL] | longitude [DECIMAL] | status [TEXT] | created\_at [DATETIME(6)] |
| updated\_at [DATETIME(6)] | action [VARCHAR] | timestamp [DATETIME(6)] | read | incident\_id [INT(5)] | recipient\_id [INT(5)] | message [TEXT] |
| feedback\_text [TEXT] | created\_at [DATETIME(6)] |  |  |  |  |  |

**Accounts Table**

**1NF:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id [INT] | username [VARCHAR(150)] | password [VARCHAR(128)] | display\_name[VARCHAR (50)] | first\_name [VARCHAR(150)] | last\_name [VARCHAR(150)] | email [VARCHAR(254)] | address [VARCHAR(255)] |
| phone\_number [VARCHAR(15)] | is\_active [TINYINT(1)] | is\_staff [TINYINT(1)] | `is\_superuser [TINYINT(1)] | is\_admin [TINYINT(1)] | last\_login [DATETIME(6)] | date\_joined [DATETIME(6)] |  |

Accounts Table

Incident Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| incident\_id[INT(5)] | details[TEXT] | category[VARCHAR(50)] | description[TEXT] |  |  |
| location[TEXT] | latitude[DECIMAL] | longitude[DECIMAL] | status[TEXT] | created\_at [DATETIME(6)] | updated\_at[DATETIME(6)] |
| read | recipient\_id[INT(5)] | message[TEXT] | [VARCHAR] | timestamp [DATETIME(6)] |  |
| feedback\_text[TEXT] | created\_at[DATETIME(6)] | user\_id [INT] |  |  |  |

**2NF:**

Accounts Table

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id[INT] | username [VARCHAR(150)] | | | password [VARCHAR(128)] | | | display\_name [VARCHAR (50)] | | |  | | |  | | |  |
| first\_name [VARCHAR(150)] | | last\_name [VARCHAR(150)] | | | [VARCHAR(254)] | | | address [VARCHAR(255)] | | | phone\_number [VARCHAR(15)] | | |
| is\_active [TINYINT(1)] | | | is\_staff [TINYINT(1)] | | | `is\_superuser [TINYINT(1)] | | | is\_admin [TINYINT(1)] | | | last\_login[DATETIME(6)] | | | date\_joined[DATETIME(6)] | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| incident\_id[INT(5)] | description[TEXT] | location[TEXT] | latitude[DECIMAL] | longitude[DECIMAL] | status[TEXT] | created\_at[DATETIME(6)] | updated\_at[DATETIME(6)] | user\_id [INT] |

Incident Table

Notification Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| notification\_id[INT(5)] | read | recipient\_id[INT(5)] | message[TEXT] | user\_id [INT] | incident\_id |

Feedback Table

|  |  |  |  |
| --- | --- | --- | --- |
| feedback\_id[INT(5)] | feedback\_text[TEXT] | created\_at [DATETIME(6)] | user\_id [INT] |

|  |  |  |  |
| --- | --- | --- | --- |
| log\_id[INT(5)] | action[VARCHAR] | timestamp[DATETIME(6)] | user\_id [INT] |

3NF:

Accounts Table

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| user\_id [INT] | username [VARCHAR(150)] | password [VARCHAR(128)] | display\_name [VARCHAR (50)] | first\_name [VARCHAR(150)] | last\_name [VARCHAR(150)] | email [VARCHAR(254)] | address [VARCHAR(255)] | phone\_number [VARCHAR(15)] | is\_active [TINYINT(1)] | is\_staff [TINYINT(1)] | `is\_superuser [TINYINT(1)] | is\_admin [TINYINT(1)] | last\_login[DATETIME(6)] | date\_joined[DATETIME(6)] |

Incident Table

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| incident\_id[INT(5)] | description[TEXT] | location[TEXT] | latitude[DECIMAL] | longitude[DECIMAL] | status[TEXT] | created\_at[DATETIME(6)] | updated\_at[DATETIME(6)] | user\_id [INT] |

Notification Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| notification\_id[INT(5)] | read | recipient\_id[INT(5)] | message[TEXT] | user\_id [INT] | incident\_id |

Feedback Table

|  |  |  |  |
| --- | --- | --- | --- |
| feedback\_id[INT(5)] | feedback\_text[TEXT] | created\_at[DATETIME(6)] | user\_id [INT] |

Audit Log Table

|  |  |  |  |
| --- | --- | --- | --- |
| log\_id[INT] | action[VARCHAR] | timestamp[DATETIME(6)] | user\_id [INT] |