**Table Design**

Table 1:Login\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Login\_id | Int | Primary key | Login id |
| Username | Char(10 | Not null | Name of user |
| Password | Char(10) | Not null | Password of user |
| User\_type | char(10) | Not null | Type of user |

Table 2:User\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| User\_id | Int | Primary key | User id |
| Login\_id | Int | Foreign key | Login id |
| Fname | Varchar(10) | Not null | First name of user |
| Sname | Varchar(10) | Not null | Second name of user |
| Gender | Varchar(8) | Not null | Gender of user |
| DOB | Date | Not null | Date of birth of user |
| Age | Int | Not null | Age of user |
| Place | Varchar(10) | Not null | Place of user |
| Mobile\_no | Int | Not null | Mobile no of user |

Table 3:Bus\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Bus\_id | Int | Primary key | Bus id |
| User\_id | Int | Foreign key | User id |
| Bus\_number | Varchar(10) | Not null | Bus number |
| Bus\_name | Varchar(15) | Not null | Bus name |
| Image | Varchar(max) | Not null | Image of bus |
| Latitude | Int | Not null | Latitude value |
| Longitude | Int | Not null | Longitude value |
| Status | Varchar(10) | Not null | Status of bus |

Table 4:Driver\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Driver\_id | Int | Primary key | Driver id |
| Login\_id | Int | Foreign key | Login id |
| Bus\_id | Int | Foreign key | Bus id |
| Driver\_name | Varchar(20) | Not null | Driver name |
| License\_number | Int | Not null | License number |

Table 5:Route\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Route\_id | int | Primary key | Route id |
| Route\_number | int | Not null | Route number |
| Route\_name | Char(15) | Not null | Route name |
| From | Char(15) | Not null | Start place |
| To | Char(15) | Not null | End place |

Table 6:Stops\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Stops\_id | Int | Primary key | Stops id |
| Bus\_Type | Varchar(15) | Not null | Bus Type |
| Location | Char(10) | Not null | Location |
| Latitude | Int | Not null | Latitude value |
| Longitude | Int | Not null | Longitude value |

Table 7:RunningStatus\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Status\_id | Int | Primary key | Status id |
| Bus\_id | Int | Foreign key | Bus id |
| Latitude | Varchar(20) | Not null | Latitude |
| Longitude | Varchar(20) | Not null | Longitude |
| Last\_stop | Varchar(20) | Not null | Last stop |
| Next\_stop | Varchar(20) | Not null | Next Stop |
| Time | Time | Not null | Time |
| NextTime | Time | Not null | Time |

Table 8:Rating\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Rating\_id | Int | Primary key | Rating id |
| Bus\_id | Int | Foreign key | Bus id |
| User\_id | Int | Foreign key | User id |
| Ratings | Float | Not null | Ratings |

Table 9:Allocate\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Allocate\_id | Int | Primary key | Allocate id |
| Route\_id | Int | Foreign key | Route id |
| Stops\_id | Int | Foreign key | Stop id |

Table 10:Schedule\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Schedule\_id | Int | Primary key | Schedule id |
| Bus\_id | Int | Foreign key | Bus id |
| Route\_id | Int | Foreign key | Route id |
| Start\_time | Int | Not null | Start time |
| End\_time | Int | Not null | End time |

Table 11:Info\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Info\_id | Int | Primary key | Feedback id |
| Bus\_id | Int | Foreign key | Bus id |
| Voice | Varchar(20) | Not null | Voice |
| Date | Date | Not null | Date |
| Time | Time | Not null | Time |

Table 12:Feedback\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Feedback\_id | Int | Primary key | Feedback id |
| User\_id | Int | Foreign key | User id |
| Bus\_id | Int | Foreign key | Bus id |
| Reviews | Char(20) | Not null | Reviews |
| Feedback | Char(20) | Not null | Feedback |
| Date | Date | Not null | Date |

Table 13:Complaints\_tbl

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Constraints** | **Description** |
| Complaints\_id | Int | Primary key | Complaints id |
| Bus\_id | Int | Foreign key | Bus id |
| User\_id | Int | Foreign key | User id |
| Complaints | Varchar(20) | Not null | Complaints |
| Reply | Varchar(20) | Not null | Reply |
| Date | Date | Not null | Date |