**Table1:** invoice

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Attributes** | **Null** | **Default** | **Extra** |
| invoice\_id | bigint(11) | UNSIGNED | No | None | AUTO\_INCREMENT |
| owner\_id | bigint(11) | UNSIGNED | No | 0 |  |
| car\_id | int(11) | UNSIGNED | No | 0 |  |
| service\_date | date |  | No | None |  |
| amount | decimal(7,2) |  | No | 0.00 |  |
| created\_datetime | timestamp |  | No | CURRENT\_TIMESTAMP |  |
| created\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |
| modified\_datetime | timestamp | on update CURRENT\_TIMESTAMP | No | None | ON UPDATE CURRENT\_TIMESTAMP |
| modified\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |

Indexes on columns:

|  |  |  |
| --- | --- | --- |
| **Index Type** | **On Columns** | **Comments** |
| Primary Key | invoice\_id |  |
| UNIQUE KEY | car\_id, owner\_id | Combined value of car id and owner id should be unique |
| FOREIGN KEY | car\_id | REFERENCES car(car\_id) |
| FOREIGN KEY | owner\_id | REFERENCES owner(owner\_id) |

**Table2:** car

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Attributes** | **Null** | **Default** | **Extra** |
| Car\_id | int(11) | UNSIGNED | No | None | AUTO\_INCREMENT |
| year | char(4) |  | No | None |  |
| make | varchar(50) |  | No | 0 |  |
| model | varchar(50) |  | No | 0 |  |
| created\_datetime | timestamp |  | No | CURRENT\_TIMESTAMP |  |
| created\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |
| modified\_datetime | timestamp | on update CURRENT\_TIMESTAMP | No | None | ON UPDATE CURRENT\_TIMESTAMP |
| modified\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |

Indexes on columns:

|  |  |  |
| --- | --- | --- |
| **Index Type** | **On Columns** | **Comments** |
| Primary Key | car\_id |  |
| UNIQUE KEY | year, make, model | Year, make and model should be unique |

**Table3:** owner

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Attributes** | **Null** | **Default** | **Extra** |
| owner\_id | bigint(11) | UNSIGNED | No | None | AUTO\_INCREMENT |
| firstname | varchar(70) |  | No | None |  |
| lastname | varchar(70) |  | No | None |  |
| phone | varchar(50) |  | Yes | Null |  |
| city | varchar(50) |  | Yes | Null |  |
| state | varchar(25) |  | Yes | Null |  |
| zipcode | varchar(15) |  | Yes | Null |  |
| address | text |  | No | None |  |
| created\_datetime | timestamp |  | No | CURRENT\_TIMESTAMP |  |
| created\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |
| modified\_datetime | timestamp | on update CURRENT\_TIMESTAMP | No | None | ON UPDATE CURRENT\_TIMESTAMP |
| modified\_user\_id | smallint(5) | UNSIGNED | No | 0 |  |

Indexes on columns:

|  |  |  |
| --- | --- | --- |
| **Index Type** | **On Columns** | **Comments** |
| Primary Key | owner\_id |  |

**Table4:** car\_owner

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Attributes** | **Null** | **Default** | **Extra** |
| owner\_id | bigint(11) | UNSIGNED | No | 0 |  |
| car\_id | int(11) | UNSIGNED | No | 0 |  |
| active | enum('0', '1') |  | No | 0 |  |

Indexes on columns:

|  |  |  |
| --- | --- | --- |
| **Index Type** | **On Columns** | **Comments** |
| UNIQUE KEY | car\_id, owner\_id | Combined value of car id and owner id should be unique |
| FOREIGN KEY | car\_id | REFERENCES car(car\_id) |
| FOREIGN KEY | owner\_id | REFERENCES owner(owner\_id) |