Functional Dependenices:

User:

| ssn | phone\_number | f\_name | l\_name | address\_id |
| --- | --- | --- | --- | --- |

FD1: User -> phone\_number, f\_name, l\_name, address\_id

Address:

| address\_id | street\_num | city | state | postal\_code | country |
| --- | --- | --- | --- | --- | --- |

FD1: address\_id-> street\_num, city, state, postal\_code, country

Customer:

| c\_id | c\_password | license\_num | rental\_id | insurance\_claim\_num | payment\_id |
| --- | --- | --- | --- | --- | --- |

FD1: c\_id-> c\_password, license\_num, rental\_id, insurance\_claim\_num, payment\_id

Staff:

| s\_id | salary | start\_date | birth\_date | d\_num |
| --- | --- | --- | --- | --- |

FD1: s\_id-> salary, start\_date, birth\_date, d\_num

Agency:

| d\_num | address\_id |
| --- | --- |

FD1: d\_num-> address\_id

Rental Request:

| request\_id | is\_approved | start\_date | end\_date | car\_preference |
| --- | --- | --- | --- | --- |

FD1: request\_id-> is\_approved, start\_date, end\_date, car\_preference

Payment:

| payment\_id | card\_num | exp\_date | cardholder | amount | payment\_date |
| --- | --- | --- | --- | --- | --- |

FD1: payment\_id-> card\_num, exp\_date, cardholder, amount, payment\_date

Contract:

| contract\_id | price | start\_date | end\_date | d\_num | car\_id | payment\_id |
| --- | --- | --- | --- | --- | --- | --- |

FD1: contract\_id-> price, start\_date, end\_date, d\_num, car\_id, payment\_id

Car Supplier:

| car\_id | car\_model | car\_vin | car\_brand | car\_color | car\_price |
| --- | --- | --- | --- | --- | --- |

FD1: car\_id-> car\_model, car\_vin, car\_brand, car\_color, car\_price

Normalization:

User:

1NF:

| ssn | phone\_number | f\_name | l\_name | address\_id |
| --- | --- | --- | --- | --- |

FD1: User -> phone\_number, f\_name, l\_name, address\_id

2NF:

| ssn | phone\_number | f\_name | l\_name | address\_id |
| --- | --- | --- | --- | --- |

FD1: User -> phone\_number, f\_name, l\_name, address\_id

3NF:

| ssn | phone\_number | f\_name | l\_name | address\_id |
| --- | --- | --- | --- | --- |

FD1: User -> phone\_number, f\_name, l\_name, address\_id

Address:

1NF:

| address\_id | street\_num | city | state | postal\_code | country |
| --- | --- | --- | --- | --- | --- |

FD1: address\_id-> street\_num, city, state, postal\_code, country

2NF:

| address\_id | street\_num | city | state | postal\_code | country |
| --- | --- | --- | --- | --- | --- |

FD1: address\_id-> street\_num, city, state, postal\_code, country

3NF:

| address\_id | street\_num | city | state | postal\_code | country |
| --- | --- | --- | --- | --- | --- |

FD1: address\_id-> street\_num, city, state, postal\_code, country

Customer:

1NF:

| c\_id | c\_password | license\_num | rental\_id | insurance\_claim\_num | payment\_id |
| --- | --- | --- | --- | --- | --- |

FD1: c\_id-> c\_password, license\_num, rental\_id, insurance\_claim\_num, payment\_id

2NF:

| c\_id | c\_password | license\_num | rental\_id | insurance\_claim\_num | payment\_id |
| --- | --- | --- | --- | --- | --- |

FD1: c\_id-> c\_password, license\_num, rental\_id, insurance\_claim\_num, payment\_id

3NF:

| c\_id | c\_password | license\_num | rental\_id | insurance\_claim\_num | payment\_id |
| --- | --- | --- | --- | --- | --- |

FD1: c\_id-> c\_password, license\_num, rental\_id, insurance\_claim\_num, payment\_id

Staff:

1NF:

| s\_id | salary | start\_date | birth\_date | d\_num |
| --- | --- | --- | --- | --- |

FD1: s\_id-> salary, start\_date, birth\_date, d\_num

2NF:

| s\_id | salary | start\_date | birth\_date | d\_num |
| --- | --- | --- | --- | --- |

FD1: s\_id-> salary, start\_date, birth\_date, d\_num

3NF:

| s\_id | salary | start\_date | birth\_date | d\_num |
| --- | --- | --- | --- | --- |

FD1: s\_id-> salary, start\_date, birth\_date, d\_num

Agency:

1NF:

| d\_num | address\_id |
| --- | --- |

FD1: d\_num-> address\_id

2NF:

| d\_num | address\_id |
| --- | --- |

FD1: d\_num-> address\_id

3NF:

| d\_num | address\_id |
| --- | --- |

FD1: d\_num-> address\_id

Rental Request:

1NF:

| request\_id | is\_approved | start\_date | end\_date | car\_preference |
| --- | --- | --- | --- | --- |

FD1: request\_id-> is\_approved, start\_date, end\_date, car\_preference

2NF:

| request\_id | is\_approved | start\_date | end\_date | car\_preference |
| --- | --- | --- | --- | --- |

FD1: request\_id-> is\_approved, start\_date, end\_date, car\_preference

3NF:

| request\_id | is\_approved | start\_date | end\_date | car\_preference |
| --- | --- | --- | --- | --- |

FD1: request\_id-> is\_approved, start\_date, end\_date, car\_preference

Payment:

1NF:

| payment\_id | card\_num | exp\_date | cardholder | amount | payment\_date |
| --- | --- | --- | --- | --- | --- |

FD1: payment\_id-> card\_num, exp\_date, cardholder, amount, payment\_date

2NF:

| payment\_id | card\_num | exp\_date | cardholder | amount | payment\_date |
| --- | --- | --- | --- | --- | --- |

FD1: payment\_id-> card\_num, exp\_date, cardholder, amount, payment\_date

3NF:

| payment\_id | card\_num | exp\_date | cardholder | amount | payment\_date |
| --- | --- | --- | --- | --- | --- |

FD1: payment\_id-> card\_num, exp\_date, cardholder, amount, payment\_date

Contract:

1NF:

| contract\_id | price | start\_date | end\_date | d\_num | car\_id | payment\_id |
| --- | --- | --- | --- | --- | --- | --- |

FD1: contract\_id-> price, start\_date, end\_date, d\_num, car\_id, payment\_id

2NF:

| contract\_id | price | start\_date | end\_date | d\_num | car\_id | payment\_id |
| --- | --- | --- | --- | --- | --- | --- |

FD1: contract\_id-> price, start\_date, end\_date, d\_num, car\_id, payment\_id

3NF:

| contract\_id | price | start\_date | end\_date | d\_num | car\_id | payment\_id |
| --- | --- | --- | --- | --- | --- | --- |

FD1: contract\_id-> price, start\_date, end\_date, d\_num, car\_id, payment\_id

Car Supplier:

1NF:

| car\_id | car\_model | car\_vin | car\_brand | car\_color | car\_price |
| --- | --- | --- | --- | --- | --- |

FD1: car\_id-> car\_model, car\_vin, car\_brand, car\_color, car\_price

2NF:

| car\_id | car\_model | car\_vin | car\_brand | car\_color | car\_price |
| --- | --- | --- | --- | --- | --- |

FD1: car\_id-> car\_model, car\_vin, car\_brand, car\_color, car\_price

3NF:

| car\_id | car\_model | car\_vin | car\_brand | car\_color | car\_price |
| --- | --- | --- | --- | --- | --- |

FD1: car\_id-> car\_model, car\_vin, car\_brand, car\_color, car\_price