**CREATE** **TABLE** COUNTRY(

Country\_Id **integer** **NOT** **NULL** **primary** **key**,

Country **varchar**(36),

**CONSTRAINT** country\_uk **UNIQUE** (Country)

);

**CREATE** **TABLE** State( State\_Id **integer** **NOT** **NULL** **PRIMARY** **KEY**,

State **varchar**(36),

Country\_Id **integer** **NOT** **NULL**,

**CONSTRAINT** state\_uk **UNIQUE** (State,

Country\_Id) );

**CREATE** **TABLE** City (

City\_Id **integer** **NOT** **NULL** **PRIMARY** **KEY**,

City **varchar**(36),

State\_Id **integer** **NOT** **NULL**,

Country\_Id **integer** **NOT** **NULL**,

**CONSTRAINT** state\_uk **UNIQUE** (City, State\_Id, Country\_Id)

);

**CREATE** **TABLE** Customer ( Customer\_Id **integer** **NOT** **NULL**,

First\_Name **varchar**(36) **NOT** **NULL**,

Last\_Name **varchar**(36),

Date\_Of\_Birth **Date**,

Address\_Line1 **varchar**(126),

Address\_Line2 **varchar**(126),

Zip\_Code **varchar**(36),

City\_Id **integer**,

State\_Id **integer**,

Country\_Id **integer**,

Primary\_Contact\_No **varchar**(20) **NOT** **NULL**,

Email **varchar**(36) **NOT** **NULL**,

Is\_Phone\_Verified **varchar**(1),

Is\_Email\_Verified **varchar**(1),

--Create\_Date datetime default DATETIME(),

--Last\_Updated\_Date datetime default DATETIME(),

**CONSTRAINT** PK\_Customer\_Id **PRIMARY** **KEY** (Customer\_Id),

**CONSTRAINT** customer\_fk\_cid **FOREIGN** **KEY** (City\_Id) **REFERENCES** City (City\_Id),

**CONSTRAINT** customer\_fk\_sid **FOREIGN** **KEY** (State\_Id) **REFERENCES** State (State\_Id),

**CONSTRAINT** customer\_fk\_cntryid **FOREIGN** **KEY** (Country\_Id) **REFERENCES** Country(Country\_Id),

**CONSTRAINT** UK\_Customer **UNIQUE** (Email) );

**CREATE** **TABLE** Restaurant ( Restaurant\_Id **integer** **NOT** **NULL**,

Name **varchar**(126) **NOT** **NULL**,

Address\_Line1 **varchar**(126) **NOT** **NULL**,

Address\_Line2 **varchar**(126),

Zip\_Code **varchar**(126) **NOT** **NULL**,

City\_Id **integer**,

State\_Id **integer**,

Country\_Id **integer**,

Primary\_Contact\_No **varchar**(20) **NOT** **NULL**,

Registered\_Email **varchar**(126) **NOT** **NULL**,

Is\_Active **varchar**(1) **default** 'Y',

--Create\_Date,

--Last\_Updated\_Date,

**CONSTRAINT** PK\_Restaurant\_Id **PRIMARY** **KEY** (Restaurant\_Id),

**CONSTRAINT** restarant\_fk\_cid **FOREIGN** **KEY** (City\_Id) **REFERENCES** City (City\_Id),

**CONSTRAINT** restarant\_fk\_sid **FOREIGN** **KEY** (State\_Id) **REFERENCES** State (State\_Id),

**CONSTRAINT** restarant\_fk\_cntryid **FOREIGN** **KEY** (Country\_Id) **REFERENCES** Country(Country\_Id)

);

**CREATE** **TABLE** Menu\_Category( Menu\_Category\_ID **integer** **NOT** **NULL**,

Restaurant\_ID **integer**,

Category\_Name **varchar**(255),

Is\_Active **varchar**(1) **default** 'Y',

**PRIMARY** **KEY** (Menu\_Category\_ID) **CONSTRAINT** FK\_Category **FOREIGN** **KEY** (Restaurant\_ID) **REFERENCES** Restaurant (Restaurant\_ID),

**CONSTRAINT** UK\_Menu\_Category\_cn\_rid **UNIQUE** (Category\_Name,

Restaurant\_ID));

**CREATE** **TABLE** Menu\_Items ( Menu\_Item\_Id **integer** **NOT** **NULL**,

Restaurant\_Id **integer** **NOT** **NULL**,

Menu\_Category\_Id **integer** **NOT** **NULL**,

Item\_Name **varchar**(36),

Description **varchar**(255),

Price **float**,

Is\_Active **varchar**(1) **default** 'Y',

--Create\_Date,

--Last\_Updated\_Date,

**CONSTRAINT** PK\_Menu\_Item\_Id **PRIMARY** **KEY** (Menu\_Item\_Id),

**CONSTRAINT** FK\_Menu\_Item\_ri **FOREIGN** **KEY** (Restaurant\_Id) **REFERENCES** Restaurant(Restaurant\_Id),

**CONSTRAINT** FK\_Menu\_Item\_mci **FOREIGN** **KEY** (Menu\_Category\_Id) **REFERENCES** Menu\_Category(Menu\_Category\_Id) )

**CREATE** **TABLE** Status ( Status\_Id **integer** **not** **null**,

Status **varchar**(36),

Status\_Description **varchar**(255),

--Create\_Date,

--Last\_Updated\_Date,

**CONSTRAINT** PK\_Status **PRIMARY** **KEY** (Status\_Id),

**CONSTRAINT** UK\_Status **UNIQUE** (Status) );

**CREATE** **TABLE** Order\_Type(

Order\_Type\_Id **integer** **NOT** **NULL** **primary** **key**,

Order\_Type **varchar**(30));

**CREATE** **TABLE** Orders (Order\_Id **integer** **not** **null**,

Order\_Date **datetime**,

Customer\_Id **integer**,

Customer\_Order\_Notes **varchar**(255),

Restaurant\_Id **integer**,

Order\_Type\_Id **integer**,

Order\_Status\_Id **integer**,

Order\_Recieve\_Time **datetime**,

Estimated\_Food\_Preparation\_Time **datetime**,

Order\_Completion\_Time **datetime**,

--Create\_Date,

--Last\_Updated\_Date,

**CONSTRAINT** PK\_Order\_Id **PRIMARY** **KEY** (Order\_Id),

**CONSTRAINT** FK\_Order\_ri **FOREIGN** **KEY** (Restaurant\_Id) **REFERENCES** Restaurant(Restaurant\_Id),

**CONSTRAINT** FK\_Order\_ci **FOREIGN** **KEY** (Customer\_Id) **REFERENCES** Customer(Customer\_Id),

**CONSTRAINT** FK\_Order\_oti **FOREIGN** **KEY** (Order\_Type\_Id) **REFERENCES** C Order\_Type(Order\_Type\_Id),

**CONSTRAINT** FK\_Order\_osi **FOREIGN** **KEY** (Order\_Status\_Id) **REFERENCES** Status(Status\_Id) );

**CREATE** **TABLE** Driver ( Driver\_ID **int** **NOT** **NULL**,

First\_Name **varchar**(36) **NOT** **NULL**,

Last\_Name **varchar**(36),

Driving\_License **varchar**(36) **NOT** **NULL**,

Date\_Of\_Birth **Date**,

Address\_Line1 **varchar**(126),

Address\_Line2 **varchar**(126),

Zip\_Code **varchar**(36),

City\_Id **integer**,

State\_Id **integer**,

Country\_Id **integer**,

Primary\_Contact\_No **varchar**(20) **NOT** **NULL**,

Email **varchar**(36) **NOT** **NULL**,

Is\_Phone\_Verified **varchar**(1),

Is\_Email\_Verified **varchar**(1),

**CONSTRAINT** PK\_Driver\_Id **PRIMARY** **KEY** (Driver\_ID),

**CONSTRAINT** driver\_fk\_cid **FOREIGN** **KEY** (City\_Id) **REFERENCES** City (City\_Id),

**CONSTRAINT** driver\_fk\_sid **FOREIGN** **KEY** (State\_Id) **REFERENCES** State (State\_Id),

**CONSTRAINT** driver\_fk\_cntryid **FOREIGN** **KEY** (Country\_Id) **REFERENCES** Country(Country\_Id),

**CONSTRAINT** UK\_Driver\_DL **UNIQUE** (Driving\_License) );

**CREATE** **TABLE** Order\_Delivery (

Order\_ID **int** **NOT** **NULL**,

Driver\_ID **integer**,

Delivery\_Pickup\_Time **datetime**,

Delivery\_Completion\_Time **datetime**,

Delivery\_Duration **integer**,

Driver\_Delivery\_Notes **varchar**(255),

Customer\_Delivery\_Notes **varchar**(255),

Delivery\_Rating **varchar**(255),

**PRIMARY** **KEY** (Order\_ID),

**CONSTRAINT** FK\_Delivery\_1 **FOREIGN** **KEY** (Driver\_ID) **REFERENCES** Driver (Driver\_ID)

);

**CREATE** **TABLE** Order\_Pickup (

Order\_Id **int** **not** **null**,

Order\_Pickup\_Time **int**,

--Create\_Date date,

--Last\_Updated\_Date date,

**CONSTRAINT** order\_pk **PRIMARY** **KEY**(Order\_Id),

**CONSTRAINT** order\_fk **FOREIGN** **KEY** (Order\_Id) **REFERENCES** Order\_Pickup(Order\_Id)

);

**CREATE** **TABLE** Order\_lines(

Order\_line\_ID **integer** **NOT** **NULL**,

Order\_ID **integer**,

Menu\_Items\_Id **integer**,

Quantity **integer**,

Order\_Line\_Amount **float**,

Preparation\_Notes **varchar**(255),

**PRIMARY** **KEY** (Order\_line\_ID),

**CONSTRAINT** FK\_Order\_lines\_oi **FOREIGN** **KEY** (Order\_ID) **REFERENCES** Orders (Order\_ID),

**CONSTRAINT** FK\_Order\_lines\_mid **FOREIGN** **KEY** (Menu\_Items\_Id) **REFERENCES** Menu\_Items (Menu\_Items\_Id)

);

**CREATE** **TABLE** Coupon (

Coupon\_ID **INT** **PRIMARY** **KEY**,

Coupon\_Code **varchar**(26),

Validity **DATE**,

Is\_Active **varchar**(1) **default** 'Y' ,

--Create\_Date DATE,

--Last\_Updated\_Date DATE,

**CONSTRAINT** U\_COUPONCODE **UNIQUE** (Coupon\_Code)

);

**Create** **table** Invoice (

Invoice\_Id **integer**,

Order\_Id **integer**,

Sub\_Total\_Amount **integer**,

Tax\_Amount Delivery\_Fee **integer**,

Service\_Fee **integer**,

Tip\_Amount **integer**,

Coupon\_id **integer**

Total\_Amount **integer**,

--Create\_Date date,

--Last\_Updated\_Date date,

**constraint** PK\_INV **primary** **key** (Invoice\_Id),

**constraint** FK\_INV\_1 **foreign** **key** (Order\_id) **references** orders(Order\_Id),

**constraint** FK\_INV\_2 **foreign** **key** (Coupon\_id) **references** Coupon(Coupon\_id),

**CONSTRAINT** UK\_Inv **UNIQUE** (Order\_Id)

);

**CREATE** **TABLE** Tips (

Tip\_Id **INT** **PRIMARY** **KEY**,

Invoice\_Id **INT**,

Tip\_Percentage **INT**,

Tip\_Amount **INT**,

--Create\_Date DATE,

--Last\_Updated\_Date DATE,

**CONSTRAINT** U\_INVOICEID **UNIQUE** (Invoice\_Id),

**constraint** FK\_TIPS\_1 **foreign** **key** (Invoice\_ID) **references** Invoice(Invoice\_ID)

);

--Dispute

**CREATE** **TABLE** DISPUTE (Dispute\_Id **integer** **PRIMARY** **KEY**,

Order\_Id **integer**,

Order\_Line\_Id **integer**,

Dispute\_Notes **Varchar** (255),

Agent\_Id **integer**,

Dispute\_Status\_Id **integer**,

--Create\_Date DATE,

--Last\_Updated\_Date DATE

**CONSTRAINT** FKD\_ORDERLINE **FOREIGN** **KEY** (Order\_Line\_Id) **REFERENCES** Order\_lines(Order\_Line\_Id),

**CONSTRAINT** FKD\_ORDERID **FOREIGN** **KEY** (Order\_Id) **REFERENCES** ORDERS(Order\_Id),

**CONSTRAINT** FKD\_AGENTID **FOREIGN** **KEY** (Agent\_Id) **REFERENCES** AGENT(Agent\_Id),

**CONSTRAINT** FKD\_STATUSID **FOREIGN** **KEY** (Dispute\_Status\_Id) **REFERENCES** STATUS(Status\_Id),

**CONSTRAINT** UD\_ORDERLINEID **UNIQUE**(Order\_Line\_Id) );

**CREATE** **TABLE** Customer\_Feedback( Customer\_Feedback\_Id **integer** **PRIMARY** **KEY**,

Order\_Line\_Id **integer**,

Order\_Id **integer**,

Customer\_Id **integer**,

Feedback\_Notes **varchar**(255),

--Create\_Date DATE,

--Last\_Updated\_Date DATE

**CONSTRAINT** FK\_ORDERLINE **FOREIGN** **KEY** (Order\_Line\_Id) **REFERENCES** Order\_lines(Order\_Line\_Id),

**CONSTRAINT** FK\_ORDERID **FOREIGN** **KEY** (Order\_Id) **REFERENCES** ORDERS(Order\_Id),

**CONSTRAINT** FK\_CUSTOMERID **FOREIGN** **KEY** (Customer\_Id) **REFERENCES** CUSTOMER(Customer\_Id),

**CONSTRAINT** U\_ORDERLINEID **UNIQUE**(Order\_Line\_Id));

**CREATE** **TABLE** CustomerCare (

Agent\_Id **integer** **PRIMARY** **KEY**,

Name **VARCHAR**(136))

**CREATE** **TABLE** Refund (

Refund\_Id **integer** **PRIMARY** **KEY**,

Dispute\_Id **integer**,

Agent\_Id **integer**,

Customer\_Id **integer**,

Invoice\_Id **integer**,

Order\_Id **integer**,

Refund\_Amount **integer**,

Refund\_Status\_Id **integer**,

--Create\_Date DATE,

--Last\_Updated\_Date DATE,

**CONSTRAINT** FKR\_DISPUTEID **FOREIGN** **KEY** (Dispute\_Id) **REFERENCES** DISPUTE(Dispute\_Id),

**CONSTRAINT** FKR\_AGENTID **FOREIGN** **KEY** (Agent\_Id) **REFERENCES** CustomerCare(Agent\_Id),

**CONSTRAINT** FKR\_CUSTOMERID **FOREIGN** **KEY** (Customer\_Id) **REFERENCES** CUSTOMER(Customer\_Id),

**CONSTRAINT** FKR\_INVOICEID **FOREIGN** **KEY** (Invoice\_Id) **REFERENCES** Invoice(Invoice\_Id),

**CONSTRAINT** FKR\_ORDERID **FOREIGN** **KEY** (Order\_Id) **REFERENCES** ORDERS(Order\_Id),

**CONSTRAINT** FKR\_STATUSID **FOREIGN** **KEY** (Refund\_Status\_Id) **REFERENCES** STATUS (Status\_Id),

**CONSTRAINT** U\_OrderID **UNIQUE** (Order\_Id));

**Create** **table** Payment\_Method (

Payment\_Method\_Id **integer** **NOT** **NULL**,

Customer\_Id **integer**,

Payment\_Method\_Type **varchar**(10),

Encrpyted\_Card\_Number **integer**,

Encrpyted\_Expiry\_Date **date**,

Encrpyed\_CVV **integer**,

Is\_Save **varchar**(1) **default** 'N',

--Create\_Date date,

--Last\_Updated\_Date date,

**constraint** pk\_PM **primary** **key** (payment\_method\_id),

**constraint** fk\_PM **foreign** **key**(customer\_id) **references** customer(customer\_ID) );

--Payment

**CREATE** **TABLE** Payment (

Payment\_ID **integer** **NOT** **NULL** **primary** **key**,

Payment\_Method\_ID **integer** ,

Payment\_Amount **integer**,

Invoice\_ID **integer**,

Order\_ID **integer**,

Payment\_Status\_Id **varchar**(255),

**CONSTRAINT** FK\_Payment\_1 **FOREIGN** **KEY** (Payment\_Method\_ID) **REFERENCES** Payment\_Method(Payment\_Method\_ID),

**CONSTRAINT** FK\_Payment\_2 **FOREIGN** **KEY** (Order\_ID) **REFERENCES** Orders(Order\_ID),

**CONSTRAINT** FK\_Payment\_4 **FOREIGN** **KEY** (Payment\_Status\_Id) **REFERENCES** Status(Status\_Id),

**CONSTRAINT** FK\_Payment\_3 **FOREIGN** **KEY** (Invoice\_ID) **REFERENCES** Invoice(Invoice\_ID) );