This document contains the syntax of HIVE QUERIES for table CDW\_SAPP\_CUSTOMER

***// Drops any residual tables with the same name sitting in the DEFAULT database in HIVE***

drop table customer;

drop table CDW\_SAPP\_CUSTOMER;

drop table CDW\_SAPP\_D\_CUSTOMER;

***// Creates a temporary table to pull in the data from HDFS as is in HIVE***

CREATE EXTERNAL TABLE customer(

CUST\_F\_NAME STRING,

CUST\_M\_NAME STRING,

CUST\_L\_NAME STRING,

CUST\_SSN INT,

CUST\_CC\_NO STRING,

CUSTT\_APT\_NO STRING,

CUST\_STREET STRING,

CUST\_CITY STRING,

CUST\_STATE STRING,

CUST\_COUNTRY STRING,

CUST\_ZIP STRING,

CUST\_PHONE STRING,

CUST\_EMAIL STRING,

LAST\_UPDATED TIMESTAMP

)

ROW FORMAT DELIMITED

FIELDS TERMINATED BY '\t'

STORED AS TEXTFILE

LOCATION '/user/maria\_dev/Credit\_Card\_System/CDW\_SAPP\_CUSTOMER/';

***// Creates a Staging table to transform the data as per Mapping Documents provided with Functional Requirement***

CREATE TABLE CDW\_SAPP\_CUSTOMER AS SELECT

CUST\_SSN ,

concat(UPPER(substring(CUST\_F\_NAME ,1,1)), lower(substring(CUST\_F\_NAME ,2,40))) as CUST\_F\_NAME,

lower(CUST\_M\_NAME) as CUST\_M\_NAME,

concat(UPPER(substring(CUST\_L\_NAME ,1,1)), lower(substring(CUST\_L\_NAME ,2,40))) as CUST\_L\_NAME,

CUST\_CC\_NO ,

concat(CUSTT\_APT\_NO , ', ', CUST\_STREET ) as CUST\_STREET ,

CUST\_CITY ,

CUST\_COUNTRY ,

CUST\_ZIP ,

concat(substr(CUST\_PHONE ,1,3),'-', substr(CUST\_PHONE ,4,7)) as

CUST\_PHONE ,

CUST\_EMAIL ,

LAST\_UPDATED ,

CUST\_STATE FROM CUSTOMER;

ALTER TABLE CDW\_SAPP\_CUSTOMER SET TBLPROPERTIES('EXTERNAL'='TRUE');

***// Creates a Partitioning table with CUST\_STATE as partition field***

SET hive.exec.dynamic.partition=true;

SET hive.exec.dynamic.partition.mode=nonstrict;

create table CDW\_SAPP\_D\_CUSTOMER(

CUST\_SSN int ,CUST\_F\_NAME varchar(40), CUST\_M\_NAME varchar(40), CUST\_L\_NAME varchar(40),

CUST\_CC\_NO String,CUST\_STREET String, CUST\_CITY string,

CUST\_COUNTRY string,CUST\_ZIP String ,CUST\_PHONE String, CUST\_EMAIL String ,LAST\_UPDATED TIMESTAMP

)

PARTITIONED BY (CUST\_STATE String)

ROW FORMAT DELIMITED

Fields Terminated by '\t'

STORED AS textfile

LOCATION "/user/maria\_dev/Credit\_Card\_System/PartionCustomer\_State";

SET hive.exec.dynamic.partition=true;

SET hive.exec.dynamic.partition.mode=nonstrict;

INSERT OVERWRITE TABLE CDW\_SAPP\_D\_CUSTOMER

PARTITION (CUST\_STATE)

SELECT CUST\_SSN, CUST\_F\_NAME , CUST\_M\_NAME,CUST\_L\_NAME,CUST\_CC\_NO,CUST\_STREET , CUST\_CITY ,CUST\_COUNTRY ,

CUST\_ZIP ,CUST\_PHONE , CUST\_EMAIL ,LAST\_UPDATED ,CUST\_STATE

FROM CDW\_SAPP\_CUSTOMER;

***//Use Case: to get all the customers SSN FullName and Address living in a particular STATE***