CREATE TABLE `restaurant`.`user` (

`Email\_id` VARCHAR(20) NOT NULL,

`Name` VARCHAR(20) NOT NULL,

`DOB` DATE NOT NULL,

`Address\_Street` VARCHAR(45) NOT NULL,

`Address\_State` VARCHAR(45) NOT NULL,

`Address\_Zip` VARCHAR(45) NOT NULL,

`Longitude` FLOAT NULL,

`Latitude` FLOAT NULL,

`Trusthworthyness` INT NOT NULL,

PRIMARY KEY (`Email\_id`),

UNIQUE INDEX `email\_id\_UNIQUE` (`Email\_id` ASC))

COMMENT = 'Any one can be user';

Restaurant table:

CREATE TABLE `restaurant`.`restaurant\_table1` (

`Restaurant\_id` INT NOT NULL,

`Name` VARCHAR(45) NOT NULL,

`TypeofRestaurant` ENUM('Ethnic', 'Fast\_Food', 'Fast\_Casual', 'Casual\_Dinning', 'Family\_Style', 'Fine\_Dinning') NOT NULL,

PRIMARY KEY (`Restaurant\_id`),

UNIQUE INDEX `Restaurant\_id\_UNIQUE` (`Restaurant\_id` ASC));

Restaurant address

CREATE TABLE `restaurant`.`restaurant\_address` (

`Restaurant\_id` INT NOT NULL,

`Rest\_Address` VARCHAR(45) NOT NULL,

`Address\_id` INT NOT NULL,

`Longitude` FLOAT NOT NULL,

`Latitude` FLOAT NOT NULL,

UNIQUE INDEX `Restaurant\_id\_UNIQUE` (`Restaurant\_id` ASC),

UNIQUE INDEX `Rest\_Address\_UNIQUE` (`Rest\_Address` ASC),

PRIMARY KEY (`Address\_id`),

UNIQUE INDEX `Address\_State\_UNIQUE` (`Address\_id` ASC),

CONSTRAINT `Restaurant\_id`

FOREIGN KEY (`Restaurant\_id`)

REFERENCES `restaurant`.`restaurant\_table1` (`Restaurant\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Cusine table

CREATE TABLE `restaurant`.`cusine` (

`Cusine\_id` INT NOT NULL,

`Name` VARCHAR(45) NULL,

`Type` ENUM('American', 'chinese', 'French', 'Indian', 'Italian', 'Mediterranean', 'Mexican', 'Thai', 'Vietnamese') NOT NULL,

PRIMARY KEY (`Cusine\_id`),

UNIQUE INDEX `Cusine\_id\_UNIQUE` (`Cusine\_id` ASC),

UNIQUE INDEX `Name\_UNIQUE` (`Name` ASC));

Dish table

CREATE TABLE `restaurant`.`dish` (

`Dish\_id` INT NOT NULL,

`Name` VARCHAR(45) NOT NULL,

`Cusine\_id` INT NULL,

PRIMARY KEY (`Dish\_id`),

UNIQUE INDEX `Dish\_id\_UNIQUE` (`Dish\_id` ASC),

UNIQUE INDEX `Cusine\_id\_UNIQUE` (`Cusine\_id` ASC),

CONSTRAINT `Cusine\_id`

FOREIGN KEY (`Cusine\_id`)

REFERENCES `restaurant`.`cusine` (`Cusine\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Review Table

CREATE TABLE `restaurant`.`review` (

`Review\_id` INT NOT NULL AUTO\_INCREMENT,

`Em\_id` VARCHAR(20) NOT NULL,

`Rest\_id` INT NOT NULL,

`Price` ENUM('1', '2', '3', '4', '5') NOT NULL,

`Service` ENUM('1', '2', '3', '4', '5') NOT NULL,

`Food\_Quality` ENUM('1', '2', '3', '4', '5') NOT NULL,

`Ambience` ENUM('1', '2', '3', '4', '5') NOT NULL,

`Overall\_Experience` ENUM('1', '2', '3', '4', '5') NOT NULL,

`Comment` VARCHAR(45) NULL,

PRIMARY KEY (`Review\_id`),

UNIQUE INDEX `Review\_id\_UNIQUE` (`Review\_id` ASC),

UNIQUE INDEX `Email\_id\_UNIQUE` (`Em\_id` ASC),

UNIQUE INDEX `Restaurant\_id\_UNIQUE` (`Rest\_id` ASC),

CONSTRAINT `Em\_id`

FOREIGN KEY (`Em\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `Rest\_id`

FOREIGN KEY (`Review\_id`)

REFERENCES `restaurant`.`restaurant\_table1` (`Restaurant\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Coupous

CREATE TABLE `restaurant`.`coupons` (

`Coupon\_code` INT NOT NULL,

`Resta\_id` INT NOT NULL,

`Ema\_id` VARCHAR(20) NOT NULL,

`Date` DATE NOT NULL,

`Discount` INT NOT NULL,

UNIQUE INDEX `Coupon\_id\_UNIQUE` (`Coupon\_code` ASC),

PRIMARY KEY (`Coupon\_code`),

UNIQUE INDEX `Restaurant\_id\_UNIQUE` (`Resta\_id` ASC),

INDEX `Ema\_id\_idx` (`Ema\_id` ASC),

CONSTRAINT `Ema\_id`

FOREIGN KEY (`Ema\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `Resta\_id`

FOREIGN KEY (`Resta\_id`)

REFERENCES `restaurant`.`restaurant\_table1` (`Restaurant\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Cusine\_preference

REATE TABLE `restaurant`.`cusine\_preference` (

`emai\_id` VARCHAR(20) NOT NULL,

`cus\_id` INT NOT NULL,

`Preference` INT NOT NULL,

PRIMARY KEY (`emai\_id`, `cus\_id`),

UNIQUE INDEX `emai\_id\_UNIQUE` (`emai\_id` ASC),

INDEX `cus\_id\_idx` (`cus\_id` ASC),

CONSTRAINT `emai\_id`

FOREIGN KEY (`emai\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `cus\_id`

FOREIGN KEY (`cus\_id`)

REFERENCES `restaurant`.`cusine` (`Cusine\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Diah\_preference

CREATE TABLE `restaurant`.`dish\_preference` (

`e\_id` VARCHAR(20) NOT NULL,

`dis\_id` INT NOT NULL,

`Preference` VARCHAR(45) NOT NULL,

PRIMARY KEY (`e\_id`, `dis\_id`),

UNIQUE INDEX `e\_id\_UNIQUE` (`e\_id` ASC),

UNIQUE INDEX `dis\_id\_UNIQUE` (`dis\_id` ASC),

CONSTRAINT `e\_id`

FOREIGN KEY (`e\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `dis\_id`

FOREIGN KEY (`dis\_id`)

REFERENCES `restaurant`.`dish` (`Dish\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Restaurant\_dish

CREATE TABLE `restaurant`.`restaurant\_dish` (

`Re\_id` INT NOT NULL,

`di\_id` INT NOT NULL,

PRIMARY KEY (`Re\_id`, `di\_id`),

UNIQUE INDEX `R\_id\_UNIQUE` (`Re\_id` ASC),

UNIQUE INDEX `dis\_id\_UNIQUE` (`di\_id` ASC),

CONSTRAINT `Re\_id`

FOREIGN KEY (`Re\_id`)

REFERENCES `restaurant`.`restaurant\_table1` (`Restaurant\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `di\_id`

FOREIGN KEY (`di\_id`)

REFERENCES `restaurant`.`dish` (`Dish\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

Restauarant\_cusine

CREATE TABLE `restaurant`.`restaurant\_cusine` (

`Restaur\_id` INT NOT NULL,

`Cusin\_id` INT NOT NULL,

PRIMARY KEY (`Restaur\_id`, `Cusin\_id`),

UNIQUE INDEX `Restaur\_id\_UNIQUE` (`Restaur\_id` ASC),

UNIQUE INDEX `Cusin\_id\_UNIQUE` (`Cusin\_id` ASC),

CONSTRAINT `Restaur\_id`

FOREIGN KEY (`Restaur\_id`)

REFERENCES `restaurant`.`restaurant\_table1` (`Restaurant\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `Cusin\_id`

FOREIGN KEY (`Cusin\_id`)

REFERENCES `restaurant`.`cusine` (`Cusine\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

User\_follower

CREATE TABLE `restaurant`.`user\_follow` (

`uemail\_id` VARCHAR(20) NOT NULL,

`femail\_id` VARCHAR(20) NOT NULL,

PRIMARY KEY (`uemail\_id`, `femail\_id`),

UNIQUE INDEX `uema\_id\_UNIQUE` (`uemail\_id` ASC),

UNIQUE INDEX `femail\_id\_UNIQUE` (`femail\_id` ASC),

CONSTRAINT `uemail\_id`

FOREIGN KEY (`uemail\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `femail\_id`

FOREIGN KEY (`femail\_id`)

REFERENCES `restaurant`.`user` (`Email\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);