-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='TRADITIONAL,ALLOW\_INVALID\_DATES';

-- -----------------------------------------------------

-- Schema mydb

-- -----------------------------------------------------

-- -----------------------------------------------------

-- Schema mydb

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

USE `mydb` ;

-- -----------------------------------------------------

-- Table `mydb`.`city\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`city\_ShivamP` (

`city\_id` INT NOT NULL,

`city\_name` VARCHAR(45) NULL,

`state\_name` VARCHAR(45) NULL,

PRIMARY KEY (`city\_id`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`location\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`location\_ShivamP` (

`location\_id` INT NOT NULL,

`city\_id` INT NOT NULL,

`adress` VARCHAR(100) NULL,

`zipcode` INT NULL,

PRIMARY KEY (`location\_id`, `city\_id`),

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

CONSTRAINT `city\_id`

FOREIGN KEY (`city\_id`)

REFERENCES `mydb`.`city\_ShivamP` (`city\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`customer\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`customer\_ShivamP` (

`customer\_id` INT NOT NULL,

`fname` VARCHAR(45) NULL,

`lname` VARCHAR(45) NULL,

`birth\_date` DATE NULL,

`driving\_licence\_number` VARCHAR(45) NOT NULL,

`phone\_number` INT NULL,

`review\_id` INT NULL,

PRIMARY KEY (`customer\_id`, `driving\_licence\_number`, `review\_id`),

UNIQUE INDEX `driving\_licence\_number\_UNIQUE` (`driving\_licence\_number` ASC))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`offer\_details\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`offer\_details\_ShivamP` (

`promo\_type` VARCHAR(45) NULL,

`percentage` INT NULL,

`first\_time\_only` VARCHAR(10) NULL,

`discount\_amount` INT NULL,

`status` VARCHAR(45) NULL,

`promo\_code` VARCHAR(45) NOT NULL,

PRIMARY KEY (`promo\_code`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`users\_details\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`users\_details\_ShivamP` (

`login\_id` INT NOT NULL,

`password` VARCHAR(45) NULL,

`licence\_no` VARCHAR(45) NOT NULL,

`membership\_type` VARCHAR(45) NULL,

`membership\_price` VARCHAR(45) NULL,

PRIMARY KEY (`login\_id`, `licence\_no`),

CONSTRAINT `licence\_no`

FOREIGN KEY ()

REFERENCES `mydb`.`customer\_ShivamP` ()

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`payment\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`payment\_ShivamP` (

`payment\_id` INT NOT NULL,

`amount\_paid` INT NULL,

`card\_number` INT NULL,

`expiry\_date` DATE NULL,

`name\_of\_card` VARCHAR(45) NULL,

`CVV` INT NULL,

`billing\_adress` VARCHAR(45) NULL,

`reservation\_id` INT NULL,

`login\_id` INT NOT NULL,

`saved\_card\_number` INT NULL,

`paid\_by\_cash` INT NULL,

`share` INT NULL,

PRIMARY KEY (`payment\_id`, `login\_id`),

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

CONSTRAINT `login\_id`

FOREIGN KEY (`login\_id`)

REFERENCES `mydb`.`users\_details\_ShivamP` (`login\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`Booking\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`Booking\_ShivamP` (

`booking\_id` INT NULL,

`pick\_up\_location\_id` INT NOT NULL,

`drop\_off\_location\_id` INT NOT NULL,

`catagory\_id` INT NOT NULL,

`customer\_id` INT NULL,

`rental\_amount` INT NULL,

`additional\_amount` INT NULL,

`total\_ammount` INT NULL,

`penalty\_amount` INT NULL,

`promo\_code` VARCHAR(45) NOT NULL,

`car\_pick\_up\_or\_dilivery` VARCHAR(10) NULL,

`dilivery\_charge` INT NULL,

`start\_time` DATETIME NULL,

`end\_time` DATETIME NULL,

`actual\_end\_time` DATETIME NULL,

`payment\_id` INT NOT NULL,

PRIMARY KEY (`booking\_id`, `catagory\_id`, `pick\_up\_location\_id`, `drop\_off\_location\_id`, `customer\_id`, `payment\_id`),

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

INDEX `pick\_up\_location\_id\_idx` (`pick\_up\_location\_id` ASC, `drop\_off\_location\_id` ASC),

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

UNIQUE INDEX `promocode\_UNIQUE` (`promo\_code` ASC),

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

CONSTRAINT `catagory\_id`

FOREIGN KEY (`catagory\_id`)

REFERENCES `mydb`.`catagory\_ShivamP` (`catagory\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `pick\_up\_location\_id`

FOREIGN KEY (`pick\_up\_location\_id` , `drop\_off\_location\_id`)

REFERENCES `mydb`.`location\_ShivamP` (`location\_id` , `location\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `drop\_off\_location\_id`

FOREIGN KEY (`pick\_up\_location\_id` , `drop\_off\_location\_id`)

REFERENCES `mydb`.`location\_ShivamP` (`location\_id` , `location\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `customer\_id`

FOREIGN KEY (`customer\_id`)

REFERENCES `mydb`.`customer\_ShivamP` (`customer\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `promo\_code`

FOREIGN KEY (`promo\_code`)

REFERENCES `mydb`.`offer\_details\_ShivamP` (`promo\_code`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `payment\_id`

FOREIGN KEY (`payment\_id`)

REFERENCES `mydb`.`payment\_ShivamP` (`payment\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`catagory\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`catagory\_ShivamP` (

`catagory\_id` INT NULL,

`catagory\_name` VARCHAR(45) NULL,

PRIMARY KEY (`catagory\_id`),

CONSTRAINT `catagory\_id`

FOREIGN KEY ()

REFERENCES `mydb`.`Booking\_ShivamP` ()

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`manufacturer\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`manufacturer\_ShivamP` (

`manufacturer\_code` INT NOT NULL,

`manufacturer\_name` VARCHAR(45) NULL,

`manufacturer\_details` VARCHAR(45) NULL,

PRIMARY KEY (`manufacturer\_code`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`car\_model\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`car\_model\_ShivamP` (

`model\_name` VARCHAR(45) NULL,

`model\_hire\_rate` INT NULL,

`car\_model\_id` INT NOT NULL,

`transmissian` VARCHAR(45) NULL,

CONSTRAINT `manufacturer\_code`

FOREIGN KEY (`car\_model\_id`)

REFERENCES `mydb`.`manufacturer\_ShivamP` (`manufacturer\_code`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`Car\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`Car\_ShivamP` (

`licence\_plate\_number` INT NULL,

`catagory\_id` INT NOT NULL,

`number of seats` INT NOT NULL,

`total trips` INT NULL,

`ratings` INT NULL,

`car\_name` VARCHAR(45) NULL,

`pics` BLOB NULL,

`Features` VARCHAR(100) NULL,

`Guidelines` VARCHAR(1000) NULL,

`milage` INT NULL,

`status` VARCHAR(10) NULL,

`car\_model\_id` INT NOT NULL,

`issuing\_country` VARCHAR(45) NULL,

`state` VARCHAR(45) NULL,

`car\_avaliability\_discription` VARCHAR(150) NULL,

`color` VARCHAR(45) NULL,

`distance\_included` INT NULL,

`avalibility\_notice\_period` DATETIME NULL,

`Shortest\_possible\_ride` INT NULL,

`Longest\_possible\_ride` INT NULL,

PRIMARY KEY (`licence\_plate\_number`, `catagory\_id`),

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

INDEX `car\_model\_id\_idx` (`car\_model\_id` ASC),

CONSTRAINT `catagory\_id`

FOREIGN KEY (`catagory\_id`)

REFERENCES `mydb`.`catagory\_ShivamP` (`catagory\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `car\_model\_id`

FOREIGN KEY (`car\_model\_id`)

REFERENCES `mydb`.`car\_model\_ShivamP` (`car\_model\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`owner\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`owner\_ShivamP` (

`owner\_id` INT NOT NULL,

`car\_id` INT NULL,

`coustumer\_id` INT NOT NULL,

`responce\_time` DATETIME NULL,

`response\_rate` INT NULL,

PRIMARY KEY (`owner\_id`, `coustumer\_id`),

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

CONSTRAINT `coustumer\_id`

FOREIGN KEY (`coustumer\_id`)

REFERENCES `mydb`.`customer\_ShivamP` (`customer\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`Reviews\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`Reviews\_ShivamP` (

`review\_id` INT NULL,

`reviewer\_fname` VARCHAR(45) NULL,

`reviewer\_lname` VARCHAR(45) NULL,

`review\_description` VARCHAR(45) NULL,

`owner\_id` INT NOT NULL,

PRIMARY KEY (`review\_id`, `owner\_id`),

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

CONSTRAINT `owner\_id`

FOREIGN KEY (`owner\_id`)

REFERENCES `mydb`.`owner\_ShivamP` (`owner\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `review\_id`

FOREIGN KEY (`review\_id`)

REFERENCES `mydb`.`customer\_ShivamP` (`review\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`rental\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`rental\_ShivamP` (

`rental\_id` INT NULL,

`owner\_id` INT NULL,

`car\_id` INT NOT NULL,

`pick\_up\_location\_id` INT NOT NULL,

`drop\_off\_location\_id` INT NOT NULL,

`start\_date` DATETIME NULL,

`end\_date` DATETIME NULL,

`instructions` VARCHAR(1000) NULL,

`payment\_id` INT NOT NULL,

`pick\_up\_hour` DATETIME NULL,

`return\_hour` DATETIME NULL,

`airpot\_dilivery` VARCHAR(45) NULL,

PRIMARY KEY (`rental\_id`, `drop\_off\_location\_id`, `pick\_up\_location\_id`, `car\_id`, `owner\_id`, `payment\_id`),

INDEX `pick\_up\_location\_id\_idx` (`pick\_up\_location\_id` ASC),

INDEX `drop\_off\_location\_id\_idx` (`drop\_off\_location\_id` ASC),

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

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

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

CONSTRAINT `pick\_up\_location\_id`

FOREIGN KEY (`pick\_up\_location\_id`)

REFERENCES `mydb`.`location\_ShivamP` (`location\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `drop\_off\_location\_id`

FOREIGN KEY (`drop\_off\_location\_id`)

REFERENCES `mydb`.`location\_ShivamP` (`location\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `car\_id`

FOREIGN KEY (`car\_id`)

REFERENCES `mydb`.`Car\_ShivamP` (`licence\_plate\_number`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `owner\_id`

FOREIGN KEY (`owner\_id`)

REFERENCES `mydb`.`owner\_ShivamP` (`owner\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `payment\_id`

FOREIGN KEY (`payment\_id`)

REFERENCES `mydb`.`payment\_ShivamP` (`payment\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`insurance\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`insurance\_ShivamP` (

`insurance\_id` INT NOT NULL,

`insurance\_name` VARCHAR(45) NULL,

`insurance\_Discription` TEXT(100) NULL,

`insurance\_coverage` VARCHAR(45) NULL,

PRIMARY KEY (`insurance\_id`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`user`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`user` (

`username` VARCHAR(16) NOT NULL,

`email` VARCHAR(255) NULL,

`password` VARCHAR(32) NOT NULL,

`create\_time` TIMESTAMP NULL DEFAULT CURRENT\_TIMESTAMP);

-- -----------------------------------------------------

-- Table `mydb`.`insurance\_has\_rental`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`insurance\_has\_rental` (

`insurance\_ShivamP\_insurance\_id` INT NOT NULL,

`rental\_ShivamP\_rental\_id` INT NOT NULL,

PRIMARY KEY (`insurance\_ShivamP\_insurance\_id`, `rental\_ShivamP\_rental\_id`),

INDEX `fk\_insurance\_ShivamP\_has\_rental\_ShivamP\_rental\_ShivamP1\_idx` (`rental\_ShivamP\_rental\_id` ASC),

INDEX `fk\_insurance\_ShivamP\_has\_rental\_ShivamP\_insurance\_ShivamP1\_idx` (`insurance\_ShivamP\_insurance\_id` ASC),

CONSTRAINT `fk\_insurance\_ShivamP\_has\_rental\_ShivamP\_insurance\_ShivamP1`

FOREIGN KEY (`insurance\_ShivamP\_insurance\_id`)

REFERENCES `mydb`.`insurance\_ShivamP` (`insurance\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_insurance\_ShivamP\_has\_rental\_ShivamP\_rental\_ShivamP1`

FOREIGN KEY (`rental\_ShivamP\_rental\_id`)

REFERENCES `mydb`.`rental\_ShivamP` (`rental\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`card\_details\_ShivamP`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`card\_details\_ShivamP` (

`login\_id` INT NOT NULL,

`name\_on\_card` VARCHAR(45) NULL,

`card\_number` INT NULL,

`expiry\_date` DATE NULL,

`billing\_address` VARCHAR(45) NULL,

PRIMARY KEY (`login\_id`),

CONSTRAINT `login\_id`

FOREIGN KEY ()

REFERENCES `mydb`.`users\_details\_ShivamP` ()

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;