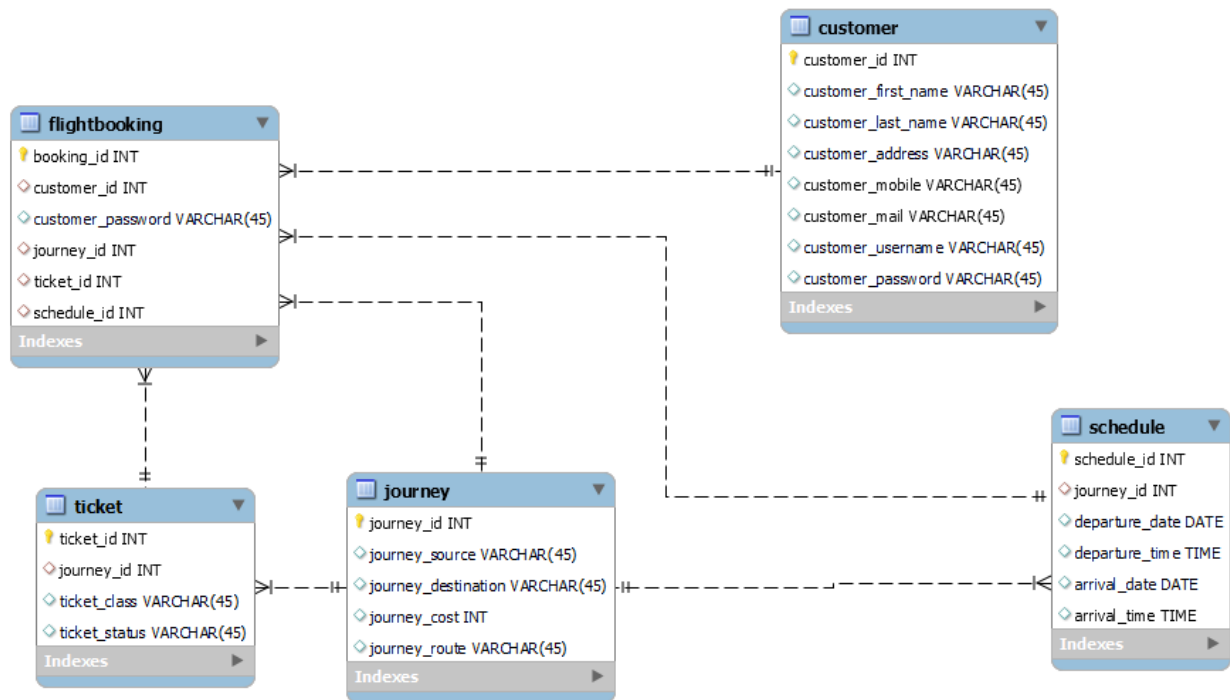


Airline Ticket Booking

ERD:



Queries:

-- 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='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';

-- Schema mydb

-- Schema mydb

CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8mb3 ;

USE `mydb` ;

-- Table `mydb`.`table1`

CREATE TABLE IF NOT EXISTS `mydb`.`table1` (

)

ENGINE = InnoDB;

-- Table `mydb`.`customer`

```
-- -----  
  
CREATE TABLE IF NOT EXISTS `mydb`.`customer` (  
  `customer_id` INT NOT NULL,  
  `customer_first_name` VARCHAR(45) NULL,  
  `customer_last_name` VARCHAR(45) NULL,  
  `customer_address` VARCHAR(45) NULL,  
  `customer_mobile` VARCHAR(45) NULL,  
  `customer_mail` VARCHAR(45) NULL,  
  `customer_username` VARCHAR(45) GENERATED ALWAYS AS () VIRTUAL,  
  `customer_password` VARCHAR(45) NULL,  
  PRIMARY KEY (`customer_id`))  
  
ENGINE = InnoDB;
```

```
-- -----  
  
-- Table `mydb`.`journey`  
  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`journey` (  
  `journey_id` INT NOT NULL,  
  `journey_source` VARCHAR(45) NULL,  
  `journey_destination` VARCHAR(45) NULL,  
  `journey_cost` INT NULL,  
  `journey_route` VARCHAR(45) NULL,  
  PRIMARY KEY (`journey_id`))  
  
ENGINE = InnoDB;
```

```
-- -----  
  
-- Table `mydb`.`schedule`
```

```
-----  
CREATE TABLE IF NOT EXISTS `mydb`.`schedule` (  
  `schedule_id` INT NOT NULL,  
  `journey_id` INT NULL,  
  `departure_date` DATE NULL,  
  `departure_time` TIME NULL,  
  `arrival_date` DATE NULL,  
  `arrival_time` TIME NULL,  
  INDEX `journey_id_idx` (`journey_id` ASC) VISIBLE,  
  PRIMARY KEY (`schedule_id`),  
  CONSTRAINT `journey_id`  
    FOREIGN KEY (`journey_id`)  
      REFERENCES `mydb`.`journey` (`journey_id`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB;
```

```
-----  
-- Table `mydb`.`ticket`  
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`ticket` (  
  `ticket_id` INT NOT NULL,  
  `journey_id` INT NULL,  
  `ticket_class` VARCHAR(45) NULL,  
  `ticket_status` VARCHAR(45) NULL,  
  PRIMARY KEY (`ticket_id`),  
  INDEX `journey_id_idx` (`journey_id` ASC) VISIBLE,  
  CONSTRAINT `journey_id`
```

```

FOREIGN KEY (`journey_id`)
REFERENCES `mydb`.`journey` (`journey_id`)
ON DELETE CASCADE
ON UPDATE CASCADE)
ENGINE = InnoDB;

-----
-- Table `mydb`.`flightbooking`
-----

CREATE TABLE IF NOT EXISTS `mydb`.`flightbooking` (
  `booking_id` INT NOT NULL,
  `customer_id` INT NULL,
  `customer_password` VARCHAR(45) NULL,
  `journey_id` INT NULL,
  `ticket_id` INT NULL,
  `schedule_id` INT NULL,
  PRIMARY KEY (`booking_id`),
  INDEX `customer_id_idx` (`customer_id` ASC) VISIBLE,
  INDEX `journey_id_idx` (`journey_id` ASC) VISIBLE,
  INDEX `ticket_id_idx` (`ticket_id` ASC) VISIBLE,
  INDEX `schedule_id_idx` (`schedule_id` ASC) VISIBLE,
  CONSTRAINT `customer_id`
    FOREIGN KEY (`customer_id`)
      REFERENCES `mydb`.`customer` (`customer_id`)
      ON DELETE CASCADE
      ON UPDATE CASCADE,
  CONSTRAINT `journey_id`
    FOREIGN KEY (`journey_id`)

```

```
REFERENCES `mydb`.`journey` (`journey_id`)
ON DELETE CASCADE
ON UPDATE CASCADE,
CONSTRAINT `ticket_id`
FOREIGN KEY (`ticket_id`)
REFERENCES `mydb`.`ticket` (`ticket_id`)
ON DELETE CASCADE
ON UPDATE CASCADE,
CONSTRAINT `schedule_id`
FOREIGN KEY (`schedule_id`)
REFERENCES `mydb`.`schedule` (`schedule_id`)
ON DELETE CASCADE
ON UPDATE CASCADE)
ENGINE = InnoDB;
```

```
SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```