Database Scripts:

1. User

CREATE TABLE `user` (

`username` **varchar**(**50**) NOT NULL DEFAULT '',

`password` **varchar**(**50**) DEFAULT NULL,

`firstname` **varchar**(**50**) DEFAULT NULL,

`lastname` **varchar**(**50**) DEFAULT NULL,

`dob` **varchar**(**50**) DEFAULT NULL,

`email` **varchar**(**50**) DEFAULT NULL,

`status` **varchar**(**50**) DEFAULT NULL,

PRIMARY KEY (`username`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. UserAdmin

CREATE TABLE `useradmin` (

`username` **varchar**(**50**) NOT NULL DEFAULT '',

`password` **varchar**(**50**) DEFAULT NULL,

PRIMARY KEY (`username`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. Itinerary

CREATE TABLE `itinerary` (

`itineraryId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

`airlineCode` **varchar**(**20**) DEFAULT NULL,

`airlineClass` **varchar**(**20**) DEFAULT NULL,

`DTYPE` **varchar**(**31**) DEFAULT NULL,

PRIMARY KEY (`itineraryId`)

) ENGINE=InnoDB AUTO\_INCREMENT=**62** DEFAULT CHARSET=utf8;

1. Booking

CREATE TABLE `booking` (

`bookingId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

`username` **varchar**(**50**) DEFAULT NULL,

`numberOfTickets` **int**(**11**) DEFAULT NULL,

`bookingdate` **varchar**(**50**) DEFAULT NULL,

`totalprice` **int**(**11**) DEFAULT NULL,

`ffmstatus` **varchar**(**50**) DEFAULT NULL,

`itineraryId` **int**(**11**) DEFAULT NULL,

`airlineCode` **varchar**(**20**) DEFAULT NULL,

`airlineClass` **varchar**(**20**) DEFAULT NULL,

PRIMARY KEY (`bookingId`),

KEY `foreign\_key\_booking` (`itineraryId`),

KEY `username\_foreign\_key` (`username`),

CONSTRAINT `username\_foreign\_key` FOREIGN KEY (`username`) REFERENCES `user` (`username`)

) ENGINE=InnoDB AUTO\_INCREMENT=**56** DEFAULT CHARSET=utf8;

1. Departure Location

CREATE TABLE `departurelocation` (

`itineraryId` **int**(**11**) DEFAULT '0',

`location` **varchar**(**50**) DEFAULT NULL,

`departureLocationId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`departureLocationId`),

KEY `fk\_1` (`itineraryId`),

CONSTRAINT `fk\_1` FOREIGN KEY (`itineraryId`) REFERENCES `itinerary` (`itineraryId`) ON DELETE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=**125** DEFAULT CHARSET=utf8;

1. Arrival Location

CREATE TABLE `arrivallocation` (

`itineraryId` **int**(**11**) DEFAULT NULL,

`location` **varchar**(**50**) DEFAULT NULL,

`arrivalLocationId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`arrivalLocationId`),

KEY `fk\_2` (`itineraryId`),

CONSTRAINT `fk\_2` FOREIGN KEY (`itineraryId`) REFERENCES `itinerary` (`itineraryId`) ON DELETE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=**113** DEFAULT CHARSET=utf8;

1. Departure Date and Time

CREATE TABLE `departuredatetime` (

`itineraryId` **int**(**11**) DEFAULT NULL,

`DateTime` **varchar**(**50**) DEFAULT NULL,

`departureDateTimeId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`departureDateTimeId`),

KEY `fk\_3` (`itineraryId`),

CONSTRAINT `fk\_3` FOREIGN KEY (`itineraryId`) REFERENCES `itinerary` (`itineraryId`) ON DELETE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=**111** DEFAULT CHARSET=utf8;

1. Arrival Date and Time

CREATE TABLE `arrivaldatetime` (

`itineraryId` **int**(**11**) DEFAULT NULL,

`dateTime` **varchar**(**50**) DEFAULT NULL,

`arrivalDateTimeId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (`arrivalDateTimeId`),

KEY `fk\_4` (`itineraryId`),

CONSTRAINT `fk\_4` FOREIGN KEY (`itineraryId`) REFERENCES `itinerary` (`itineraryId`) ON DELETE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=**111** DEFAULT CHARSET=utf8;

1. Frequent Flier Miles

CREATE TABLE `frequentfliermiles` (

`ffmId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

`username` **varchar**(**50**) DEFAULT NULL,

`points` **int**(**11**) DEFAULT NULL,

PRIMARY KEY (`ffmId`),

KEY `username\_constraint` (`username`),

CONSTRAINT `username\_constraint` FOREIGN KEY (`username`) REFERENCES `user` (`username`)

) ENGINE=InnoDB AUTO\_INCREMENT=**8** DEFAULT CHARSET=utf8;

1. Passenger

CREATE TABLE `passenger` (

`passengerId` **int**(**11**) NOT NULL AUTO\_INCREMENT,

`bookingId` **int**(**11**) DEFAULT NULL,

`firstName` **varchar**(**50**) DEFAULT NULL,

`lastName` **varchar**(**50**) DEFAULT NULL,

`passport` **varchar**(**50**) DEFAULT NULL,

`gender` **varchar**(**20**) DEFAULT NULL,

`age` **varchar**(**20**) DEFAULT NULL,

PRIMARY KEY (`passengerId`),

KEY `passenger\_ibfk\_1` (`bookingId`),

CONSTRAINT `passenger\_ibfk\_1` FOREIGN KEY (`bookingId`) REFERENCES `booking` (`bookingId`) ON DELETE CASCADE

) ENGINE=InnoDB AUTO\_INCREMENT=**45** DEFAULT CHARSET=utf8;

1. Comment

CREATE TABLE `comment` (

`username` **varchar**(**50**) NOT NULL DEFAULT '',

`comment` **varchar**(**600**) DEFAULT NULL,

`airlineCode` **varchar**(**20**) NOT NULL,

PRIMARY KEY (`username`,`airlineCode`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

1. Rating

CREATE TABLE `rating` (

`username` **varchar**(**20**) NOT NULL DEFAULT '',

`airlineCode` **varchar**(**20**) NOT NULL DEFAULT '',

`rating` **varchar**(**20**) DEFAULT NULL,

PRIMARY KEY (`username`,`airlineCode`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;