```sql
CREATE TABLE `business` (
  `Business_ID` int NOT NULL AUTO_INCREMENT,
  `BName` varchar(128) NOT NULL,
  `Website_URL` varchar(300) NOT NULL,
  `Weekday_open_time` varchar(128) NOT NULL,
  `Weekday_close_time` varchar(128) NOT NULL,
  `Weekend_open_time` varchar(128) NOT NULL,
  `Weekend_close_time` varchar(128) NOT NULL,
  `Instagram` varchar(45) DEFAULT NULL,
  `Twitter` varchar(45) DEFAULT NULL,
  `Facebook` varchar(45) DEFAULT NULL,
  `Description` longtext NOT NULL,
  `User_ID` int NOT NULL,
  `Region_ID` int NOT NULL,
  PRIMARY KEY (`Business_ID`,`User_ID`,`Region_ID`),
  UNIQUE KEY `Business_ID_UNIQUE` (`Business_ID`),
  KEY `User_ID_idx` (`User_ID`),
  KEY `Region_idx` (`Region_ID`),
  CONSTRAINT `Region` FOREIGN KEY (`Region_ID`) REFERENCES `region` (`Region_ID`),
  CONSTRAINT `User_ID` FOREIGN KEY (`User_ID`) REFERENCES `user` (`UserID`) ON DELETE RESTRICT
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `bemail` (
  `BusinessID` int NOT NULL,
  `BEmail` varchar(300) NOT NULL,
  PRIMARY KEY (`BusinessID`,`BEmail`),
  CONSTRAINT `BusinessIDemail` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
CREATE TABLE `bnumber` (
  `BusinessID` int NOT NULL,
  `BNumber` varchar(45) NOT NULL,
  PRIMARY KEY (`BusinessID`,`BNumber`),
  CONSTRAINT `BusinessIDbnum` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `business_reviews` (
  `Business_ID` int NOT NULL,
  `User_ID` int NOT NULL,
  `Rating` int NOT NULL,
  `Comment` longtext NOT NULL,
  PRIMARY KEY (`Business_ID`,`User_ID`),
  KEY `UserIDbr_idx` (`User_ID`),
  CONSTRAINT `BusinessIDbr` FOREIGN KEY (`Business_ID`) REFERENCES `business` (`Business_ID`),
  CONSTRAINT `UserIDbr` FOREIGN KEY (`User_ID`) REFERENCES `user` (`UserID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `event` (
  `BusinessID` int NOT NULL,
  `EventID` int NOT NULL,
  `Description` longtext NOT NULL,
  `Name` varchar(128) NOT NULL,
  PRIMARY KEY (`BusinessID`,`EventID`),
  CONSTRAINT `BusinessIDother` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```sql
CREATE TABLE `favourite_business` (
  `UserID` int NOT NULL,
  `BusinessID` int NOT NULL,
  PRIMARY KEY (`UserID`,`BusinessID`),
  KEY `BusinessIDFB_idx` (`BusinessID`),
  CONSTRAINT `BusinessIDFB` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`),
  CONSTRAINT `UserIDFB` FOREIGN KEY (`UserID`) REFERENCES `user` (`UserID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `favourite_wine` (
  `WineID` int NOT NULL,
  `UserID` int NOT NULL,
  PRIMARY KEY (`WineID`,`UserID`),
  KEY `UserID_idx` (`UserID`),
  CONSTRAINT `UserID` FOREIGN KEY (`UserID`) REFERENCES `user` (`UserID`),
  CONSTRAINT `WineID` FOREIGN KEY (`WineID`) REFERENCES `wine` (`WineID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `lot` (
  `Lot_ID` int NOT NULL AUTO_INCREMENT,
  `WineQuantity` int NOT NULL DEFAULT '0',
  `Business_ID` int NOT NULL,
  PRIMARY KEY (`Lot_ID`,`Business_ID`),
  UNIQUE KEY `Lot_ID_UNIQUE` (`Lot_ID`),
  KEY `Business_ID_idx` (`Business_ID`),
  CONSTRAINT `Business_ID` FOREIGN KEY (`Business_ID`) REFERENCES `business` (`Business_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```sql
CREATE TABLE `manager` (

  `UserID` int NOT NULL,

  PRIMARY KEY (`UserID`),

  CONSTRAINT `UserIDManager` FOREIGN KEY (`UserID`) REFERENCES `user` (`UserID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `recommendations` (

  `RecID` int NOT NULL AUTO_INCREMENT,

  `WineID` int NOT NULL,

  `BusinessID` int NOT NULL,

  PRIMARY KEY (`RecID`,`WineID`,`BusinessID`),

  UNIQUE KEY `RecID_UNIQUE` (`RecID`),

  KEY `WineID_idx` (`WineID`),

  KEY `BusinessID_idx` (`BusinessID`),

  KEY `WineIDRec_idx` (`WineID`),

  KEY `BusinessIDRec_idx` (`BusinessID`),

  CONSTRAINT `BusinessIDRec` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`),

  CONSTRAINT `WineIDRec` FOREIGN KEY (`WineID`) REFERENCES `wine` (`WineID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `region` (

  `Region_ID` int NOT NULL AUTO_INCREMENT,

  `Country` varchar(45) NOT NULL,

  `RegionName` varchar(45) NOT NULL,

  `Latitude` varchar(45) NOT NULL,

  `Longitude` varchar(45) NOT NULL,

  PRIMARY KEY (`Region_ID`),

  UNIQUE KEY `Region_ID_UNIQUE` (`Region_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
CREATE TABLE `tourist` (

  `UserID` int NOT NULL,

  PRIMARY KEY (`UserID`),

  CONSTRAINT `UserIDtourist` FOREIGN KEY (`UserID`) REFERENCES `user` (`UserID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `user` (

  `UserID` int NOT NULL AUTO_INCREMENT,

  `First_name` varchar(128) NOT NULL,

  `Middle_name` varchar(128) DEFAULT NULL,

  `Last_name` varchar(128) NOT NULL,

  `Region_id` int NOT NULL,

  `Password` varchar(255) NOT NULL,

  `Salt` varchar(45) NOT NULL,

  `Pepper` varchar(45) NOT NULL,

  `Email` varchar(256) NOT NULL,

  `API_Key` varchar(45) NOT NULL,

  `PhoneNumber` varchar(45) NOT NULL,

  PRIMARY KEY (`UserID`,`Region_id`),

  UNIQUE KEY `UserID_UNIQUE` (`UserID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```sql
CREATE TABLE `wine` (

  `WineID` int NOT NULL AUTO_INCREMENT,

  `Image_URL` varchar(300) NOT NULL,

  `Body` varchar(45) NOT NULL,

  `Alcohol` varchar(45) NOT NULL,

  `Tannin` varchar(45) NOT NULL,

  `Acidity` varchar(45) NOT NULL,

  `Sweetness` varchar(45) NOT NULL,

  `Brand_Name` varchar(45) NOT NULL,

  `Vintage` varchar(45) NOT NULL,

  `Origin` varchar(45) NOT NULL,

  `Volume` varchar(45) NOT NULL,

  `Code_Num` varchar(45) NOT NULL,

  `Cultivars` varchar(45) NOT NULL,

  `Category` varchar(45) NOT NULL,

  `Description` longtext NOT NULL,

  `Cost_per_bottle` varchar(45) NOT NULL,

  `Cost_per_glass` varchar(45) NOT NULL,

  `Price_Category` varchar(45) NOT NULL,

  `Lot_ID` int NOT NULL,

  PRIMARY KEY (`WineID`,`Lot_ID`),

  UNIQUE KEY `WineID_UNIQUE` (`WineID`),

  KEY `Lot_ID_idx` (`Lot_ID`),

  CONSTRAINT `Lot_ID` FOREIGN KEY (`Lot_ID`) REFERENCES `lot` (`Lot_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```sql
CREATE TABLE `wine_festival` (

  `BusinessID` int NOT NULL,

  `wine_festival` int NOT NULL AUTO_INCREMENT,

  PRIMARY KEY (`BusinessID`,`wine_festival`),

  UNIQUE KEY `wine_festival_UNIQUE` (`wine_festival`),

  CONSTRAINT `BusinessIDfes` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `wine_lot` (

  `WineID` int NOT NULL,

  `Lot_ID` int NOT NULL,

  `WineQuantity` int NOT NULL,

  PRIMARY KEY (`WineID`,`Lot_ID`),

  KEY `LotIDwlot_idx` (`Lot_ID`),

  CONSTRAINT `LotIDwlot` FOREIGN KEY (`Lot_ID`) REFERENCES `lot` (`Lot_ID`),

  CONSTRAINT `WineIDwlot` FOREIGN KEY (`WineID`) REFERENCES `wine` (`WineID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci


CREATE TABLE `wine_reviews` (

  `Wine_ID` int NOT NULL,

  `UserID` int NOT NULL,

  `Rating` int NOT NULL,

  `Comment` mediumtext NOT NULL,

  PRIMARY KEY (`Wine_ID`,`UserID`),

  KEY `User_ID_idx` (`UserID`),

  CONSTRAINT `User` FOREIGN KEY (`UserID`) REFERENCES `user` (`UserID`),

  CONSTRAINT `Wine_ID` FOREIGN KEY (`Wine_ID`) REFERENCES `wine` (`WineID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```sql
CREATE TABLE `wine_route` (
  `BusinessID` int NOT NULL,
  `RouteID` int NOT NULL,
  PRIMARY KEY (`BusinessID`,`RouteID`),
  CONSTRAINT `BusinessIDWR` FOREIGN KEY (`BusinessID`) REFERENCES `business` (`Business_ID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```