

```
CREATE TABLE IF NOT EXISTS restaurant(  
    Restaurant_ID INT UNSIGNED NOT NULL AUTO_INCREMENT,  
    Restaurant_Name NVARCHAR(100),  
    Address NVARCHAR(100),  
    Phone NVARCHAR(20),  
    Restaurant_URL NVARCHAR(100),  
    ResOwnerID INT UNSIGNED NULL,  
    PRIMARY KEY (Restaurant_ID),  
    FOREIGN KEY (ResOwnerID) REFERENCES rusers (User_ID)  
    ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
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CREATE TABLE IF NOT EXISTS menuitem(  
    Item_ID INT UNSIGNED NOT NULL AUTO_INCREMENT,  
    Restaurant_ID INT UNSIGNED NOT NULL,  
    ItemName NVARCHAR(100),  
    BlockedCategory TEXT,  
    PRIMARY KEY (Item_ID),  
    FOREIGN KEY (Restaurant_ID) REFERENCES Restaurant (Restaurant_ID) ) ENGINE=InnoDB  
AUTO_INCREMENT=1 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
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CREATE TABLE IF NOT EXISTS rusers (  
    User_ID INT UNSIGNED NOT NULL AUTO_INCREMENT,  
    Username NVARCHAR(100),  
    User_Password NVARCHAR(100),  
    User_Email NVARCHAR(100),  
    FName NVARCHAR(100),  
    LName NVARCHAR(100),  
    Admin BIT DEFAULT NULL,
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ResOwner BIT DEFAULT NULL,  
PRIMARY KEY (User_ID)  
  
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
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CREATE TABLE IF NOT EXISTS review (  
  
Review_ID INT UNSIGNED NOT NULL,  
  
Restaurant_ID INT UNSIGNED NOT NULL,  
  
User_ID INT UNSIGNED NOT NULL,  
  
Item_ID INT UNSIGNED NOT NULL,  
  
Review TEXT,  
  
Category TEXT,  
  
Star_Ivl INT(11) DEFAULT NULL,  
  
Username NVARCHAR(100),  
  
Uname_Visible BIT(1) DEFAULT NULL,  
  
Review_Date DATE DEFAULT NULL,  
  
rimage LONGBLOB DEFAULT NULL,  
  
PRIMARY KEY (Review_ID),  
  
FOREIGN KEY (Restaurant_ID) REFERENCES Restaurant (Restaurant_ID),  
  
FOREIGN KEY (User_ID) REFERENCES rusers (User_ID),  
  
FOREIGN KEY (Item_ID) REFERENCES menuitem (Item_ID)  
  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
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CREATE TABLE IF NOT EXISTS restaurantreview (  
  
ResReview_ID INT UNSIGNED NOT NULL,  
  
Restaurant_ID INT UNSIGNED NOT NULL,  
  
User_ID INT UNSIGNED NOT NULL,  
  
Review TEXT,  
  
Category TEXT,
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Star_Ivl INT(11) DEFAULT NULL,  
UserName NVARCHAR(100) DEFAULT NULL,  
ReviewDate DATE DEFAULT NULL,  
Response TEXT DEFAULT NULL,  
ResImage LONGBLOB DEFAULT NULL,  
FOREIGN KEY (Restaurant_ID) REFERENCES Restaurant (Restaurant_ID),  
FOREIGN KEY (User_ID) REFERENCES rusers (User_ID)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8;
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CREATE TABLE IF NOT EXISTS AdminMessage (  
Thread_ID INT UNSIGNED NOT NULL,  
Message_ID INT UNSIGNED AUTO_INCREMENT,  
RespondingTo_ID INT UNSIGNED NOT NULL,  
Sender_ID INT UNSIGNED NOT NULL,  
Recipient_ID INT UNSIGNED NOT NULL,  
Message TEXT,  
TimeSent DATE DEFAULT NULL,  
Topic varchar(100),  
ThreadClosed BIT,  
PRIMARY KEY (Message_ID),  
FOREIGN KEY (Sender_ID) REFERENCES rusers (User_ID),  
FOREIGN KEY (Recipient_ID) REFERENCES rusers (User_ID)  
)ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8 COLLATE=utf8_unicode_ci;
```

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CREATE TABLE IF NOT EXISTS tags(  
Tag_ID INT UNSIGNED NOT NULL AUTO_INCREMENT,
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Counter INT UNSIGNED,  
Restaurant_ID INT UNSIGNED,  
Tags TEXT,  
Item_ID INT UNSIGNED,  
Name TEXT,  
Primary Key (Tag_ID)  
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8;
```

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CREATE TABLE IF NOT EXISTS searches(  
Search_ID INT UNSIGNED NOT NULL  
AUTO_INCREMENT, Counter INT UNSIGNED NOT NULL,  
Term TEXT NOT NULL,  
Primary Key (Search_ID)  
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8;
```