Database Design

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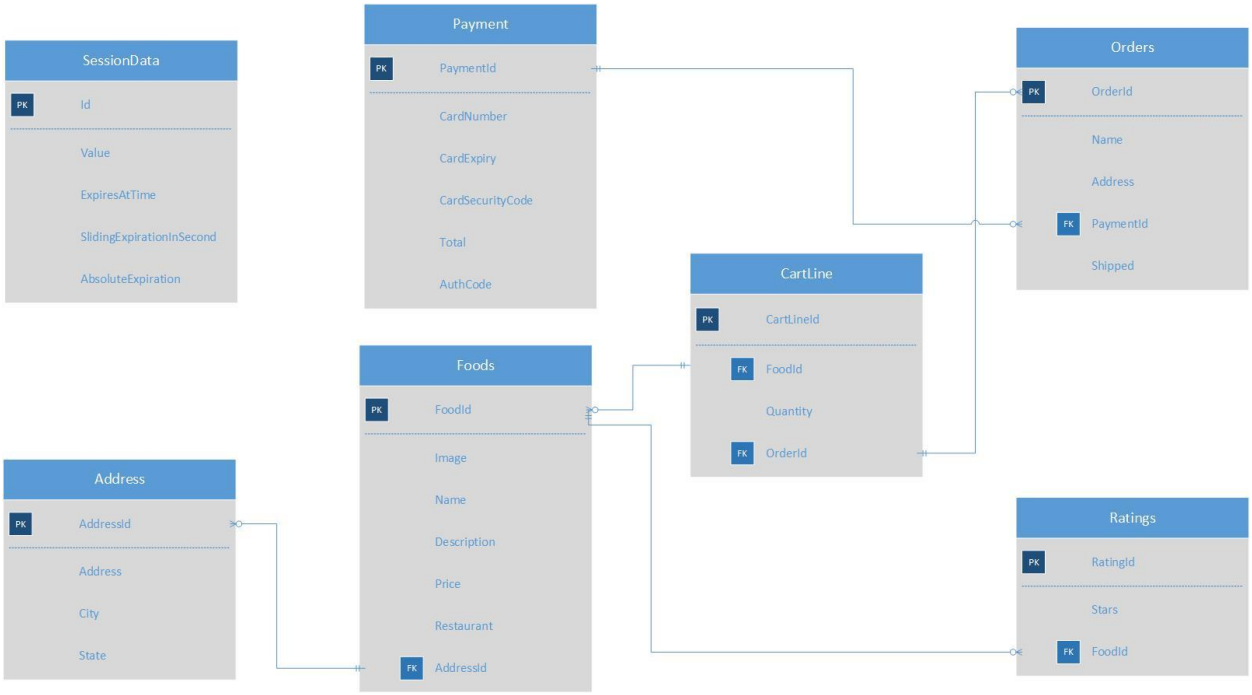

For my project, I will be utilizing Microsoft SQL Server to host a relational database. Although there are many choices when it comes to relational databases, MSSQL Server is the technology I will be using due to its great integration with ASP.NET API's, which is my framework of choice for this project.

The entity relationship diagram above represents the design of my database. It contains seven tables that are linked together with various constraints in order to achieve standardization of my data.

Address Table
Contains the addresses of the restaurants with some data on their city and state.

Orders Table
When customers submit an order, a new OrderId will be created along with the name of the customer and their delivery address. Each order will have a status whose value to mark it as ready to be delivered.

Payment
This will contain the customers payment data for each order along with the totals for the order.

Foods
Contains all the food items for sale on the website. It contains the restaurant it's associated with with their address id, the name and description of the food, their prices and the location of the images for the UI.

Ratings
Contains the ratings from users for each item. Items can have more than 1 rating and it will be averaged on the UI.

CartLine
This will detail out what was added to the cart during checkout and their quantity and what order it's associated with.

SessionData
In order to save the state of their session, we will save that data to this table so that users can keep their cart items if they navigate back and forth between pages.