DBMS and Technologies:

1. Perfect-Party is a full stack **NodeJs** website that is created under the **Express** framework.

2. Webpages are created by **HTML**, **CSS**, **Javascript** and **Bootstrap**.

3. **Restful APIs** are created by the Express framework, and they are responsible for transferring data to the webpages and transferring the webpage's data back to the server.

4. The server is integrated with **MYSQL** DBMS, and the database is deployed on **AWS** by using the **RDS** service.

5. Runtime Environment is fully managed by **Docker**, and the website could easily run on any machines.

Interfaces:

New Client: It's an interface that supports inserting new client billing information, the user can insert client ID, Budget, phone number and address.

Search Client: It's an interface that supports searching clients by adding constraints on billing information.

New Order: It's an interface that supports inserting a new order, the user must insert a client Id since an order cannot exist independently. Other information that can be inserted include order ID, number of invitees, location, event, Menu and its quantity, Decor/flower and its quantity, and Music/Entertainment.

Search Order: It's an interface that supports searching orders by adding constraints on all fields that are provided in the new order interface. If order ID is specified then client ID cannot be added as a constraint, since every order ID is associated with a unique client ID.