**Schema**

customer (**cid**, cname, phone)

Primary key: cid

Foreign key: none

restaurant (**rid**, rname, raddress, description, capacity)

Primary key: rid

Foreign key: none

booking (**bid**, cid, rid, btime, quantity)

Primary key: bid

Foreign key: cid references customer.cid; rid references restaurant.rid

**Read me**

index.php -> search.php -> book.php

Firstly, index.php gives the interface for customer to enter their booking requirements; he/she has to customer name, searching keyword, number of people and date. The blanks are all required except Keyword column.

Secondly, after post the parameters to search.php, search.php then finds out if there are available reservations for customers: keyword should be included in the restaurant name or description, and during the booked time there should be enough seats for this customer and other booked reservations, that is to say all the quantity combined should be smaller than the capacity of the restaurant. Otherwise, the restaurant won't appear as an available booking choice.

If the keyword is blank, then there is no constraint on the restaurant name or restaurant description.

Click the "Book" button under the restaurant to book for a reservation.

Click the "Back" button below to go back to the booking information page.

Finally, after clicking "Book" button, usually the reservation will be made, and customer can see their booked item and their previous booking.