

Customer log in:

The screenshot shows a MySQL terminal window on the left and a web browser window on the right. The terminal window displays the following commands and results:

```
mysql> use company;
Database changed
mysql> show tables;
+-----+
| Tables_in_company |
+-----+
| employee           |
+-----+
1 row in set (0.00 sec)

mysql> use parkingmaster;
Database changed
mysql> show tables;
+-----+
| Tables_in_parkingmaster |
+-----+
| admin                   |
| customer                |
| event                   |
| event_date              |
| garage                  |
| garage_level             |
| garage_level_event_date |
| garage_venue            |
| reservation             |
| venue                   |
+-----+
10 rows in set (0.01 sec)

mysql> select * from customer;
+----+-----+-----+-----+-----+-----+-----+-----+
| cid | Fname | Minit | Lname | Login | Password | phone | vipflag |
+----+-----+-----+-----+-----+-----+-----+-----+
| 0   | John  |       | Smith | jsmith | jsmith123 | 6142141234 | 0       |
| 1   | Jane  |       | Doe   | jdoe   | jdoe123   | 6147751234 | 0       |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.07 sec)

mysql>
```

The web browser window shows the 'Welcome to Parking Master!' page. It has a login form with fields for 'Username' (containing 'jsmith') and 'Password' (containing 'jsmith123'). There is a checkbox for 'Admin login' and a 'Sign in' button. Below the form, it says 'New to the page? Sign up here:' with a 'Sign up' button.

Customer Homepage:

The screenshot shows a MySQL terminal window on the left and a web browser window on the right. The terminal window displays the same commands and results as the previous screenshot.

```
mysql> use company;
Database changed
mysql> show tables;
+-----+
| Tables_in_company |
+-----+
| employee           |
+-----+
1 row in set (0.00 sec)

mysql> use parkingmaster;
Database changed
mysql> show tables;
+-----+
| Tables_in_parkingmaster |
+-----+
| admin                   |
| customer                |
| event                   |
| event_date              |
| garage                  |
| garage_level             |
| garage_level_event_date |
| garage_venue            |
| reservation             |
| venue                   |
+-----+
10 rows in set (0.01 sec)

mysql> select * from customer;
+----+-----+-----+-----+-----+-----+-----+-----+
| cid | Fname | Minit | Lname | Login | Password | phone | vipflag |
+----+-----+-----+-----+-----+-----+-----+-----+
| 0   | John  |       | Smith | jsmith | jsmith123 | 6142141234 | 0       |
| 1   | Jane  |       | Doe   | jdoe   | jdoe123   | 6147751234 | 0       |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.07 sec)

mysql>
```

The web browser window shows the 'Welcome, John' page. It has three buttons: 'Make a reservation', 'Cancel a reservation', and 'View reservations'.

View Reservations:

```

mysql> use parkingmaster;
Database changed
mysql> show tables;

Tables_in_parkingmaster
+-----+
admin
customer
event
event_date
garage
garage_level
garage_level_event_date
garage_venue
reservation
venue
+-----+
10 rows in set (0.01 sec)

mysql> select * from customer;

+----+-----+-----+-----+-----+-----+-----+-----+
cid  | fname | minit | lname | login  | password | phone | vipflag |
+----+-----+-----+-----+-----+-----+-----+-----+
0    | John  |       | Smith | jsmith | jsmith123 | 6142141234 | 0 |
1    | Jane  |       | Doe   | jdoe   | jdoe123  | 6147751234 | 0 |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.07 sec)

mysql> select * from reservation;

+-----+-----+-----+-----+-----+-----+-----+-----+
reservationid | status | cid | garageid | levelnum | eventid | date | dateReserved | dateCancelled |
+-----+-----+-----+-----+-----+-----+-----+-----+
0             | active | 0   | 1         | 2        | 0        | 2019-05-10 | 2019-04-18 | NULL |
1             | active | 0   | 1         | 2        | 0        | 2019-05-11 | 2019-04-18 | NULL |
2             | active | 0   | 2         | 3        | 0        | 2019-05-10 | 2019-04-18 | 2019-04-18 |
3             | refunded | 0   | 2         | 3        | 0        | 2019-05-10 | 2019-04-18 | 2019-04-18 |
4             | active | 0   | 1         | 2        | 1        | 2019-05-11 | 2019-04-18 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.04 sec)

mysql>

```

localhost:8080/viewReservation

Reservation Records

| ReservationID | CustomerID | GarageID | Levelnum | EventID | Date | DateReserved | DateCancelled | Status |
|---------------|------------|----------|----------|---------|------------|--------------|---------------|----------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | | active |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | | active |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-18 | refunded |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | | active |

Make a reservation:

```

mysql> select * from customer;

+----+-----+-----+-----+-----+-----+-----+-----+
cid  | fname | minit | lname | login  | password | phone | vipflag |
+----+-----+-----+-----+-----+-----+-----+-----+
0    | John  |       | Smith | jsmith | jsmith123 | 6142141234 | 0 |
1    | Jane  |       | Doe   | jdoe   | jdoe123  | 6147751234 | 0 |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.07 sec)

mysql> select * from reservation;

+-----+-----+-----+-----+-----+-----+-----+-----+
reservationid | status | cid | garageid | levelnum | eventid | date | dateReserved | dateCancelled |
+-----+-----+-----+-----+-----+-----+-----+-----+
0             | active | 0   | 1         | 2        | 0        | 2019-05-10 | 2019-04-18 | NULL |
1             | active | 0   | 1         | 2        | 0        | 2019-05-11 | 2019-04-18 | NULL |
2             | active | 0   | 2         | 3        | 0        | 2019-05-10 | 2019-04-18 | 2019-04-18 |
3             | refunded | 0   | 2         | 3        | 0        | 2019-05-10 | 2019-04-18 | 2019-04-18 |
4             | active | 0   | 1         | 2        | 1        | 2019-05-11 | 2019-04-18 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.04 sec)

mysql> select * from event;

+-----+-----+-----+
eventid | eventname | venueid |
+-----+-----+-----+
0        | Frozen    | 11       |
1        | Boxing    | 12       |
+-----+-----+-----+
2 rows in set (0.02 sec)

mysql> select * from event_date;

+-----+-----+
eventid | date |
+-----+-----+
0        | 2019-05-10 |
0        | 2019-05-11 |
1        | 2019-05-11 |
+-----+-----+
3 rows in set (0.01 sec)

mysql>

```

localhost:8080/newReservation

Which event you want to make parking reservation for?

Event name:

Which date that event is on?

Date:

Conti < May 2019 >

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| 28 | 29 | 30 | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Continue making the reservation – the garages with available parking spaces have been shown. Now choosing the preferred parking garage with available spaces:

The screenshot shows a MySQL terminal window on the left and a web browser on the right. The terminal displays several SQL queries and their results:

```
mysql> select * from reservation;
+-----+-----+-----+-----+-----+-----+-----+-----+
| reservationid | status | cid | garageid | levelnum | eventid | date | dateReserved | dateCance |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 0 | active | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | NULL |
| 1 | active | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | NULL |
| 2 | active | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-1 |
| 3 | refunded | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.04 sec)

mysql> select * from event;
+-----+-----+-----+
| eventid | eventname | venueid |
+-----+-----+-----+
| 0 | Frozen | 11 |
| 1 | Boxing | 12 |
+-----+-----+-----+
2 rows in set (0.02 sec)

mysql> select * from event_date;
+-----+-----+
| eventid | date |
+-----+-----+
| 0 | 2019-05-10 |
| 0 | 2019-05-11 |
| 1 | 2019-05-11 |
+-----+-----+
3 rows in set (0.01 sec)

mysql> select * from garage;
+-----+-----+-----+-----+
| garageid | garagename | address | vip_space |
+-----+-----+-----+-----+
| 1 | GA | addr_a | NULL |
| 2 | GB | addr_b | NULL |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

The web browser on the right shows the URL `localhost:8080/chooseGarage.php`. The page content is:

Garages with available parking spaces are:
GA(1)
GB(2)

Please choose a garage you prefer:

A dropdown menu shows the selected option: GA(1). Below it, the options GA(1) and GB(2) are listed.

Continue making the reservation – after choosing the preferred garage, we showed the options of the levels that the customer can choose with the price specified:

(here we chose garage name GA whose garageid is 1. We use the garageid to find the level in table `garage_level`, and then find the price in `garage_level_event_date`)

The screenshot shows a MySQL terminal window on the left and a web browser on the right. The terminal displays several SQL queries and their results:

```
mysql> select * from garage;
+-----+-----+-----+-----+
| garageid | garagename | address | vip_space |
+-----+-----+-----+-----+
| 1 | GA | addr_a | NULL |
| 2 | GB | addr_b | NULL |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from garage_level;
+-----+-----+-----+
| garageid | levelnum | maxspaces |
+-----+-----+-----+
| 1 | 1 | 2 |
| 1 | 2 | 3 |
| 2 | 1 | 1 |
| 2 | 2 | 2 |
| 2 | 3 | 3 |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from level;
ERROR 1146 (42S02): Table 'parkingmaster.level' doesn't exist

mysql> select * from garage_level_event_date;
+-----+-----+-----+-----+-----+-----+
| garageid | levelnum | eventid | date | capacityallocated | price |
+-----+-----+-----+-----+-----+-----+
| 1 | 1 | 0 | 2019-05-10 | 1 | 10 |
| 1 | 1 | 0 | 2019-05-11 | 1 | 8 |
| 1 | 1 | 1 | 2019-05-11 | 1 | 9 |
| 1 | 1 | 0 | 2019-05-10 | 0 | 8 |
| 1 | 2 | 0 | 2019-05-11 | 0 | 6 |
| 1 | 2 | 1 | 2019-05-11 | 0 | 7 |
| 2 | 1 | 0 | 2019-05-10 | 1 | 15 |
| 2 | 1 | 0 | 2019-05-11 | 1 | 12 |
| 2 | 1 | 1 | 2019-05-11 | 0 | 14 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 13 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 10 |
| 2 | 2 | 1 | 2019-05-11 | 1 | 12 |
| 2 | 3 | 0 | 2019-05-10 | 1 | 11 |
| 2 | 3 | 0 | 2019-05-11 | 1 | 8 |
| 2 | 3 | 1 | 2019-05-11 | 1 | 10 |
+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
```

The web browser on the right shows the URL `localhost:8080/chooseLevel.php`. The page content is:

Please choose a level of the garage GA you prefer:

A dropdown menu shows the selected option: Level: 1 Price: 10. Below it, the options Level: 1 Price: 10 and Level: 2 Price: 8 are listed.

Reservation made successfully. We can see the capacityallocated in line 1 in garage_level_event_date changed from 1 to 0. It also gives back the reservation number so the customer can look up in view reservation.

The screenshot shows a MySQL command prompt window and a web browser window. The MySQL window displays the following queries and results:

```
mysql> select * from garage_level_event_date;
```

| garageid | levelnum | eventid | date | capacityallocated | price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 0 | 2019-05-10 | 1 | 10 |
| 1 | 1 | 0 | 2019-05-11 | 1 | 8 |
| 1 | 1 | 1 | 2019-05-11 | 1 | 9 |
| 1 | 2 | 0 | 2019-05-10 | 0 | 8 |
| 1 | 2 | 0 | 2019-05-11 | 0 | 6 |
| 1 | 2 | 1 | 2019-05-11 | 0 | 7 |
| 2 | 1 | 0 | 2019-05-10 | 1 | 15 |
| 2 | 1 | 0 | 2019-05-11 | 1 | 12 |
| 2 | 1 | 1 | 2019-05-11 | 0 | 14 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 13 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 10 |
| 2 | 2 | 1 | 2019-05-11 | 1 | 12 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 11 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 8 |
| 2 | 3 | 1 | 2019-05-11 | 1 | 10 |

15 rows in set (0.00 sec)

```
mysql> select * from garage_level;
```

| garageid | levelnum | maxspaces |
|----------|----------|-----------|
| 1 | 1 | 2 |
| 1 | 2 | 3 |
| 2 | 1 | 1 |
| 2 | 2 | 2 |
| 2 | 3 | 3 |

5 rows in set (0.00 sec)

```
mysql> select * from garage_level_event_date;
```

| garageid | levelnum | eventid | date | capacityallocated | price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 0 | 2019-05-10 | 0 | 10 |
| 1 | 1 | 0 | 2019-05-11 | 1 | 8 |
| 1 | 1 | 1 | 2019-05-11 | 1 | 9 |
| 1 | 2 | 0 | 2019-05-10 | 0 | 8 |
| 1 | 2 | 0 | 2019-05-11 | 0 | 6 |
| 1 | 2 | 1 | 2019-05-11 | 0 | 7 |
| 2 | 1 | 0 | 2019-05-10 | 1 | 15 |
| 2 | 1 | 0 | 2019-05-11 | 1 | 12 |
| 2 | 1 | 1 | 2019-05-11 | 0 | 14 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 13 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 10 |
| 2 | 2 | 1 | 2019-05-11 | 1 | 12 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 11 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 8 |
| 2 | 3 | 1 | 2019-05-11 | 1 | 10 |

15 rows in set (0.00 sec)

The web browser window shows the result of the reservation update:

available parking space - 1.
Reserved parking space successfully. The reservation number is: 4
You can use this reservation number to track your reservation.

[Back to Homepage](#)

Now we view the reservation again and we can see the reservation with reservationId 4 has been made:

The screenshot shows a MySQL command prompt window and a web browser window. The MySQL window displays the following queries and results:

```
mysql> select * from garage_level_event_date;
```

| garageid | levelnum | eventid | date | capacityallocated | price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 0 | 2019-05-10 | 0 | 10 |
| 1 | 1 | 0 | 2019-05-11 | 1 | 8 |
| 1 | 1 | 1 | 2019-05-11 | 1 | 9 |
| 1 | 2 | 0 | 2019-05-10 | 0 | 8 |
| 1 | 2 | 0 | 2019-05-11 | 0 | 6 |
| 1 | 2 | 1 | 2019-05-11 | 0 | 7 |
| 2 | 1 | 0 | 2019-05-10 | 1 | 15 |
| 2 | 1 | 0 | 2019-05-11 | 1 | 12 |
| 2 | 1 | 1 | 2019-05-11 | 0 | 14 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 13 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 10 |
| 2 | 2 | 1 | 2019-05-11 | 1 | 12 |
| 2 | 2 | 0 | 2019-05-10 | 1 | 11 |
| 2 | 2 | 0 | 2019-05-11 | 1 | 8 |
| 2 | 3 | 1 | 2019-05-11 | 1 | 10 |

15 rows in set (0.00 sec)

```
mysql> select * from reservation;
```

| reservationid | cid | garageid | levelnum | eventid | date | dateReserved | dateCancelled | status |
|---------------|-----|----------|----------|---------|------------|--------------|---------------|----------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | | active |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | | active |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-18 | refunded |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | | active |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | | active |

5 rows in set (0.00 sec)

The web browser window shows the result of the reservation view query:

Reservation Records

| ReservationID | CustomerID | GarageID | Levelnum | EventID | Date | DateReserved | DateCancelled | Status |
|---------------|------------|----------|----------|---------|------------|--------------|---------------|----------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | | active |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | | active |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-18 | refunded |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | | active |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | | active |

Cancel a reservation:

We just need to enter the reservation id and it will check if the cancellation match the condition of refund or not

The screenshot shows a MySQL command prompt window and a web browser window. The MySQL window displays the results of two queries: one for the 'garage_level_event_date' table and another for the 'reservation' table. The web browser window shows a form for cancelling a reservation, with a list of reservation IDs and a 'Submit to cancel' button.

MySQL Query Results:

Query 1: select * from garage_level_event_date;

| garageid | levelnum | eventid | date | capacityallocated | price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 0 | 2019-05-10 | 0 | 10 |
| 1 | 1 | 0 | 2019-05-11 | 1 | 8 |
| 1 | 1 | 1 | 2019-05-11 | 1 | 9 |
| 1 | 2 | 0 | 2019-05-10 | 0 | 8 |
| 1 | 2 | 0 | 2019-05-11 | 0 | 6 |
| 1 | 2 | 1 | 2019-05-11 | 0 | 7 |
| 1 | 3 | 0 | 2019-05-10 | 1 | 15 |
| 1 | 3 | 1 | 2019-05-11 | 1 | 12 |
| 3 | 1 | 0 | 2019-05-11 | 0 | 14 |
| 3 | 2 | 0 | 2019-05-10 | 1 | 13 |
| 3 | 2 | 0 | 2019-05-11 | 1 | 10 |
| 3 | 2 | 1 | 2019-05-11 | 1 | 12 |
| 3 | 3 | 0 | 2019-05-10 | 1 | 11 |
| 3 | 3 | 0 | 2019-05-11 | 1 | 8 |
| 3 | 3 | 1 | 2019-05-11 | 1 | 10 |

Query 2: select * from reservation;

| reservationid | cid | garageid | levelnum | eventid | date | dateReserved | dateCance |
|---------------|-----|----------|----------|---------|------------|--------------|-----------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | NULL |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | NULL |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-1 |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | NULL |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | NULL |

Web Browser (localhost:8080/cancelReservat...):

The following are your reservation IDs:

- 0
- 1
- 3
- 4

Reservation ID to be cancelled (enter one ID at a time):

Web Browser (localhost:8080/cancelReservat...):

Reservation cancelled.
You are not qualified for a refund.
Space restored.

Now we view the reservation and we can see the reservation with reservationId 4 has been cancelled and not refunded.

The screenshot shows a MySQL command prompt window on the left and a web browser window on the right. The MySQL window displays the results of a query to view reservation records. The web browser shows the 'Reservation Records' page with a table of reservation data.

MySQL Command Prompt Output:

```
mysql> select * from reservation;
+-----+-----+-----+-----+-----+-----+-----+-----+
| reservationid | cid | garageid | levelnum | eventid | date | dateReserved | dateCance |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | NULL |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | NULL |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-1 |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | NULL |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from reservation;
+-----+-----+-----+-----+-----+-----+-----+-----+
| reservationid | cid | garageid | levelnum | eventid | date | dateReserved | dateCance |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | NULL |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | NULL |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-1 |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | NULL |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | 2019-11-2 |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

Web Browser (localhost:8080/viewReservation):

| ReservationID | CustomerID | GarageID | Levelnum | EventID | Date | DateReserved | DateCancelled | Status |
|---------------|------------|----------|----------|---------|------------|--------------|---------------|-----------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | | active |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | | active |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-18 | refunded |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | | active |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | 2019-11-21 | cancelled |

Log in as an admin if check the admin login box and the username and password matches the admin:

The screenshot shows a MySQL command prompt window on the left and a web browser window on the right. The MySQL window displays the results of a query to view admin records. The web browser shows the 'Welcome to Parking Master!' page with a login form.

MySQL Command Prompt Output:

```
mysql> select * from admin;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Pname | Minit | Lname | Login | Password | Phone | Adminid | admincode |
+-----+-----+-----+-----+-----+-----+-----+-----+
| Yunqi | yq | zhang | zhang.1 | zhang | 8678 | 1 | |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.03 sec)

mysql>
```

Web Browser (localhost:8080):

Welcome to Parking Master!

Username:

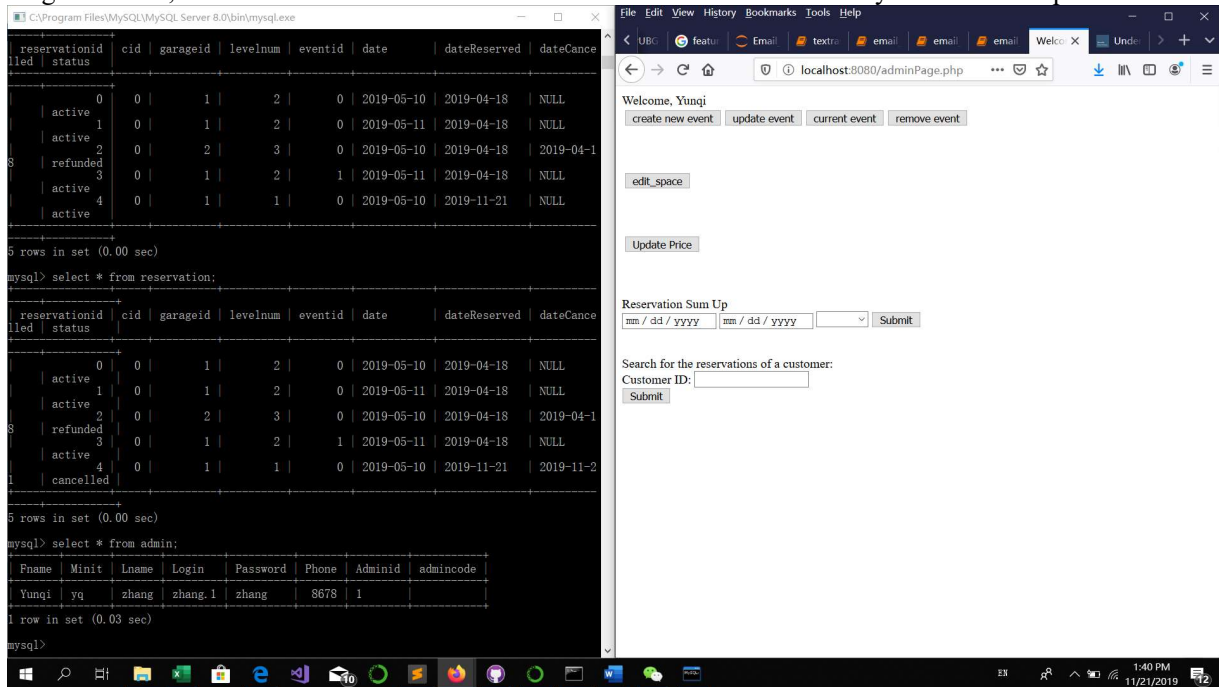
Password:

☒ Admin login

New to the page? Sign up here:

Admin Homepage:

Since admin can do a lot of things, I will not demonstrate everything here otherwise the documents will be too long. However, I do want to demonstrate one of the task – create new event for you for an example.



The screenshot shows a MySQL command line window and a web browser displaying the Admin Homepage.

MySQL Command Line:

```
mysql> select * from reservation;
```

| reservationid | cid | garageid | levelnum | eventid | date | dateReserved | dateCancel |
|---------------|-----|----------|----------|---------|------------|--------------|------------|
| 0 | 0 | 1 | 2 | 0 | 2019-05-10 | 2019-04-18 | NULL |
| 1 | 0 | 1 | 2 | 0 | 2019-05-11 | 2019-04-18 | NULL |
| 2 | 0 | 2 | 3 | 0 | 2019-05-10 | 2019-04-18 | 2019-04-1 |
| 3 | 0 | 1 | 2 | 1 | 2019-05-11 | 2019-04-18 | NULL |
| 4 | 0 | 1 | 1 | 0 | 2019-05-10 | 2019-11-21 | NULL |

```
5 rows in set (0.00 sec)
```

```
mysql> select * from admin;
```

| Fname | Minit | Lname | Login | Password | Phone | Adminid | admincode |
|-------|-------|-------|---------|----------|-------|---------|-----------|
| Yunqi | yq | zhang | zhang.l | zhang | 8678 | 1 | |

```
1 row in set (0.03 sec)
```

Admin Homepage:

Welcome, Yunqi

create new event update event current event remove event

edit_space

Update Price

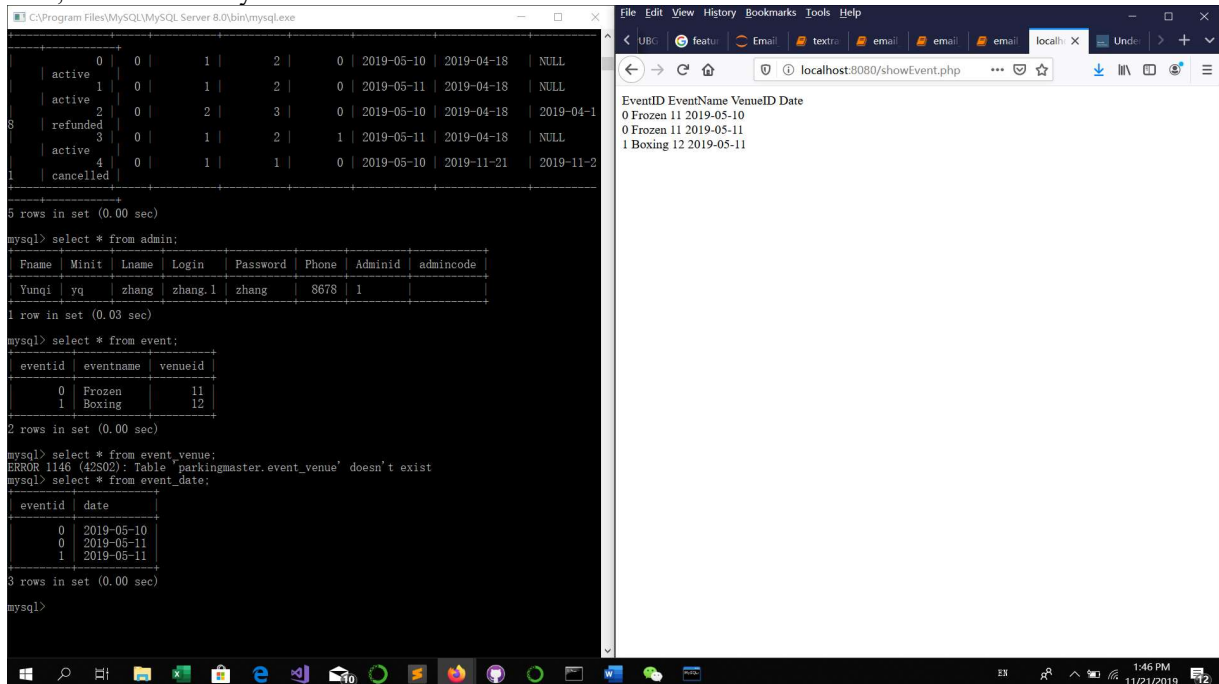
Reservation Sum Up

mm / dd / yyyy mm / dd / yyyy Submit

Search for the reservations of a customer:

Customer ID: Submit

First, I want to show you the current event:



The screenshot shows a MySQL command line window and a web browser displaying the showEvent.php page.

MySQL Command Line:

```
mysql> select * from admin;
```

| Fname | Minit | Lname | Login | Password | Phone | Adminid | admincode |
|-------|-------|-------|---------|----------|-------|---------|-----------|
| Yunqi | yq | zhang | zhang.l | zhang | 8678 | 1 | |

```
1 row in set (0.03 sec)
```

```
mysql> select * from event;
```

| eventid | eventname | venueid |
|---------|-----------|---------|
| 0 | Frozen | 11 |
| 1 | Boxing | 12 |

```
2 rows in set (0.00 sec)
```

```
mysql> select * from event_venue;
```

ERROR 1146 (42S02): Table 'parkingmaster.event_venue' doesn't exist

```
mysql> select * from event_date;
```

| eventid | date |
|---------|------------|
| 0 | 2019-05-10 |
| 0 | 2019-05-11 |
| 1 | 2019-05-11 |

```
3 rows in set (0.00 sec)
```

showEvent.php:

EventID EventName VenueID Date

0 Frozen 11 2019-05-10

0 Frozen 11 2019-05-11

1 Boxing 12 2019-05-11

Then we follow the steps of add new events:

Add new event – step 1:

The screenshot shows a MySQL command line window on the left and a web browser on the right. The MySQL window displays the following queries and results:

```
mysql> select * from admin;
```

| Fname | Minit | Lname | Login | Password | Phone | Adminid | admincode |
|-------|-------|-------|---------|----------|-------|---------|-----------|
| Yunqi | yq | zhang | zhang.1 | zhang | 8678 | 1 | |

```
mysql> select * from event;
```

| eventid | eventname | venueid |
|---------|-----------|---------|
| 0 | Frozen | 11 |
| 1 | Boxing | 12 |

```
mysql> select * from event_venue;
```

ERROR 1146 (42S02): Table 'parkingmaster.event_venue' doesn't exist

```
mysql> select * from event_date;
```

| eventid | date |
|---------|------------|
| 0 | 2019-05-10 |
| 0 | 2019-05-11 |
| 1 | 2019-05-11 |

```
mysql> select * from venue;
```

| venueid | venueName | address |
|---------|-----------|---------|
| 1 | va | addr_a |
| 2 | vb | addr_b |
| 3 | vc | addr_c |
| 11 | VA | va |
| 12 | VB | vb |
| 13 | VC | vc |

The web browser shows the "Add New Event - Step 1" form with the following fields:

- Event Name: OSU Football
- Event Date: 11 / 21 / 2019
- Venue Name: va

An "Add" button is visible at the bottom of the form.

Click add and it will go to step 2 and ask you more information about garage capacity and price:

The screenshot shows the same MySQL command line window as in the previous step, with the same queries and results. The web browser now shows the "Add New Event - Step 2" form, which includes a table for entering garage capacity and price information:

| GarageID | Levelnum | EventID | Date | CapacityAllocated | Price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 2 | 2019-11-21 | | |
| 1 | 2 | 2 | 2019-11-21 | | |
| 2 | 1 | 2 | 2019-11-21 | | |
| 2 | 2 | 2 | 2019-11-21 | | |
| 2 | 3 | 2 | 2019-11-21 | | |

A "Continue" button is located below the table.

We enter info below:

The screenshot shows a MySQL command prompt window on the left and a web browser window on the right. The MySQL window displays the following queries and results:

```
mysql> select * from event_venue;
ERROR 1146 (42S02): Table 'parkingmaster.event_venue' doesn't exist
mysql> select * from event_date;
+-----+-----+
| eventid | date       |
+-----+-----+
| 0       | 2019-05-10 |
| 0       | 2019-05-11 |
| 1       | 2019-05-11 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from venue;
+-----+-----+-----+
| venueid | venuename | address |
+-----+-----+-----+
| 1       | va        | addr_a  |
| 2       | vb        | addr_b  |
| 3       | vc        | addr_c  |
| 11      | VA        | va      |
| 12      | VB        | vb      |
| 13      | VC        | vc      |
+-----+-----+-----+
6 rows in set (0.03 sec)

mysql> select * from garage_level_event_date;
+-----+-----+-----+-----+-----+-----+
| garageid | levelnum | eventid | date       | capacityallocated | price |
+-----+-----+-----+-----+-----+-----+
| 1       | 1       | 0       | 2019-05-10 | 1                 | 10    |
| 1       | 1       | 0       | 2019-05-11 | 1                 | 8     |
| 1       | 1       | 1       | 2019-05-11 | 1                 | 9     |
| 1       | 2       | 0       | 2019-05-10 | 0                 | 8     |
| 1       | 2       | 0       | 2019-05-11 | 0                 | 6     |
| 1       | 2       | 1       | 2019-05-11 | 0                 | 7     |
| 2       | 1       | 0       | 2019-05-10 | 1                 | 15    |
| 2       | 1       | 0       | 2019-05-11 | 1                 | 12    |
| 2       | 1       | 1       | 2019-05-11 | 0                 | 14    |
| 2       | 2       | 0       | 2019-05-10 | 1                 | 13    |
| 2       | 2       | 0       | 2019-05-11 | 1                 | 10    |
| 2       | 2       | 1       | 2019-05-11 | 1                 | 12    |
| 3       | 3       | 0       | 2019-05-10 | 1                 | 11    |
| 3       | 3       | 0       | 2019-05-11 | 1                 | 8     |
| 3       | 3       | 1       | 2019-05-11 | 1                 | 10    |
+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)

mysql>
```

The web browser window shows the 'Add New Event - Step 2' form. It contains a table with the following data:

| GarageID | Levelnum | EventID | Date | CapacityAllocated | Price |
|----------|----------|---------|------------|-------------------|-------|
| 1 | 1 | 2 | 2019-11-21 | 1 | 1 |
| 1 | 2 | 2 | 2019-11-21 | 2 | 2 |
| 2 | 1 | 2 | 2019-11-21 | 3 | 3 |
| 2 | 2 | 2 | 2019-11-21 | 4 | 4 |
| 2 | 3 | 2 | 2019-11-21 | 5 | 5 |

Below the table is a 'Continue' button.

The result is shown below:

The screenshot shows a MySQL command prompt window on the left and a web browser window on the right. The MySQL window displays the following queries and results:

```
mysql> select * from garage_level_event_date;
+-----+-----+-----+-----+-----+-----+
| garageid | levelnum | eventid | date       | capacityallocated | price |
+-----+-----+-----+-----+-----+-----+
| 1       | 1       | 0       | 2019-05-10 | 1                 | 14    |
| 1       | 1       | 0       | 2019-05-11 | 1                 | 13    |
| 1       | 1       | 0       | 2019-05-11 | 1                 | 10    |
| 1       | 1       | 1       | 2019-05-11 | 1                 | 12    |
| 1       | 2       | 0       | 2019-05-10 | 0                 | 11    |
| 1       | 2       | 0       | 2019-05-11 | 1                 | 8     |
| 1       | 2       | 1       | 2019-05-11 | 1                 | 10    |
+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)

mysql> select * from event_date;
+-----+-----+
| eventid | date       |
+-----+-----+
| 0       | 2019-05-10 |
| 0       | 2019-05-11 |
| 1       | 2019-05-11 |
| 2       | 2019-11-21 |
+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

The web browser window shows the 'showEvent.php' page. It displays the following data:

```
EventID EventName VenueID Date
0 Frozen 11 2019-05-10
0 Frozen 11 2019-05-11
1 Boxing 12 2019-05-11
2 OSU Football 11 2019-11-21
```