

Data Collection:

Data collection usually takes place early on in an improvement project, and is often formalized through a [data collection plan](#)^[2] which often contains the following activity.

1. Pre collection activity — agree on goals, target data, definitions, methods
2. Collection — data collection

1) Pre collection activity

Website:

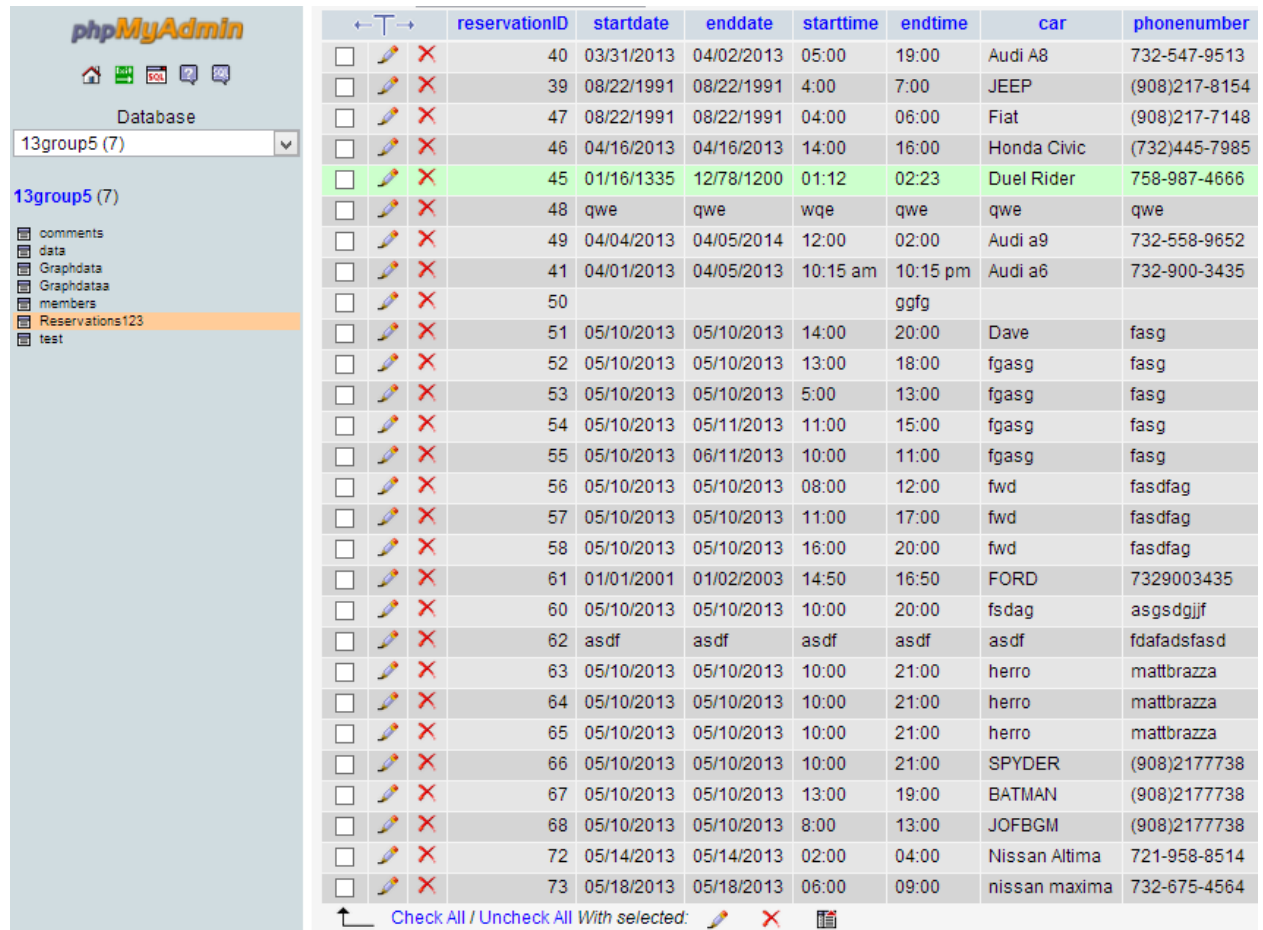
The main goal of the website was that a customer may place a reservation.

An additional goal of the website was to have a login page for the manager to analyze data for the parking garage.

The user would input the required information into their respective forms. The data would then be stored on our online database.

2) Collection

a) The first of our data is stored in the table 'Reservations123'. The fields in the table are
1) reservation id, 2) startdate, 3) enddate, 4) starttime, 5) endtime, 6) car and 7) phone number



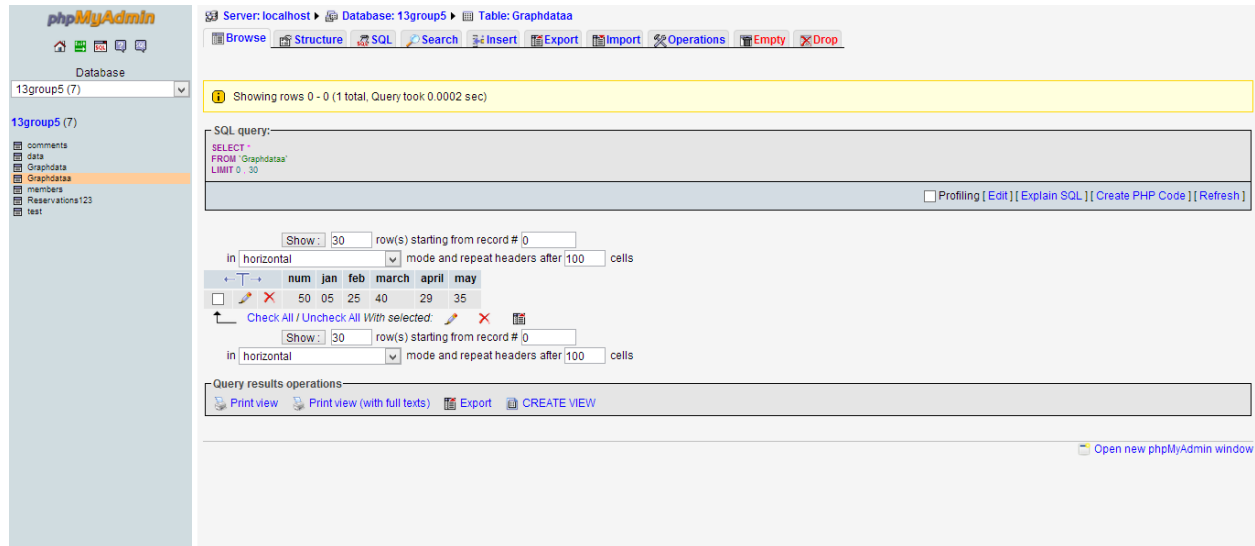
The screenshot shows the phpMyAdmin interface. On the left, the database '13group5 (7)' is selected, and the table 'Reservations123' is highlighted in the sidebar. The main area displays a table with 8 columns: reservationID, startdate, enddate, starttime, endtime, car, and phonenumber. The table contains 24 rows of data. Row 45 is highlighted in green. At the bottom, there are links for 'Check All / Uncheck All' and a 'With selected:' dropdown menu.

			reservationID	startdate	enddate	starttime	endtime	car	phonenumber
<input type="checkbox"/>			40	03/31/2013	04/02/2013	05:00	19:00	Audi A8	732-547-9513
<input type="checkbox"/>			39	08/22/1991	08/22/1991	4:00	7:00	JEEP	(908)217-8154
<input type="checkbox"/>			47	08/22/1991	08/22/1991	04:00	06:00	Fiat	(908)217-7148
<input type="checkbox"/>			46	04/16/2013	04/16/2013	14:00	16:00	Honda Civic	(732)445-7985
<input type="checkbox"/>			45	01/16/1335	12/78/1200	01:12	02:23	Duel Rider	758-987-4666
<input type="checkbox"/>			48	qwe	qwe	wqe	qwe	qwe	qwe
<input type="checkbox"/>			49	04/04/2013	04/05/2014	12:00	02:00	Audi a9	732-558-9652
<input type="checkbox"/>			41	04/01/2013	04/05/2013	10:15 am	10:15 pm	Audi a6	732-900-3435
<input type="checkbox"/>			50			ggfg			
<input type="checkbox"/>			51	05/10/2013	05/10/2013	14:00	20:00	Dave	fasg
<input type="checkbox"/>			52	05/10/2013	05/10/2013	13:00	18:00	fgasg	fasg
<input type="checkbox"/>			53	05/10/2013	05/10/2013	5:00	13:00	fgasg	fasg
<input type="checkbox"/>			54	05/10/2013	05/11/2013	11:00	15:00	fgasg	fasg
<input type="checkbox"/>			55	05/10/2013	06/11/2013	10:00	11:00	fgasg	fasg
<input type="checkbox"/>			56	05/10/2013	05/10/2013	08:00	12:00	fwd	fasdfag
<input type="checkbox"/>			57	05/10/2013	05/10/2013	11:00	17:00	fwd	fasdfag
<input type="checkbox"/>			58	05/10/2013	05/10/2013	16:00	20:00	fwd	fasdfag
<input type="checkbox"/>			61	01/01/2001	01/02/2003	14:50	16:50	FORD	7329003435
<input type="checkbox"/>			60	05/10/2013	05/10/2013	10:00	20:00	fsdag	asgsdgjif
<input type="checkbox"/>			62	asdf	asdf	asdf	asdf	asdf	fdafadsfasd
<input type="checkbox"/>			63	05/10/2013	05/10/2013	10:00	21:00	herro	mattbrazza
<input type="checkbox"/>			64	05/10/2013	05/10/2013	10:00	21:00	herro	mattbrazza
<input type="checkbox"/>			65	05/10/2013	05/10/2013	10:00	21:00	herro	mattbrazza
<input type="checkbox"/>			66	05/10/2013	05/10/2013	10:00	21:00	SPYDER	(908)2177738
<input type="checkbox"/>			67	05/10/2013	05/10/2013	13:00	19:00	BATMAN	(908)2177738
<input type="checkbox"/>			68	05/10/2013	05/10/2013	8:00	13:00	JOFBGM	(908)2177738
<input type="checkbox"/>			72	05/14/2013	05/14/2013	02:00	04:00	Nissan Altima	721-958-8514
<input type="checkbox"/>			73	05/18/2013	05/18/2013	06:00	09:00	nissan maxima	732-675-4564

The above figure is the location where a reservation is stored. The reservation is placed by the user using the website. The information is then transferred to the valet user interface which uses this data to reserve a parking spot.

b)

There is also another table in our database utilized to store the information the manager has entered to analyze data. The table Graphdataa has the fields 1)num,2)jan,3)feb,4)march,5)april and 6)may.



The above figure is the location where the data for the parking garage is stored. This data is then utilized by our line graph.

Valet Assistant Interface Mini Database:

```
public static String rn[] = {"67", "66", "68", "70", "101"}; // Reservation Number  
public static String nl[] = {"Bruce Wayne", "Peter Parker", "Jane Doe", "Paul Kingston", "Jimmy Dean"}; //  
Names  
public static String lp[] = {"BATMAN", "SPYDER", "JOFBGM", "CA8QW9", "JI329X"}; // License Plate  
Number  
public static String lt[] = {"16", "5", "9", "6", "7"}; // Lot Number  
public static int st[] = {0, 0, 0, 0, 0}; // Tells the app what state: 0 means parked and -1 means obtained
```

This small mini-database was used for demo purposes. The values are all connected through index numbers.
