

CSCI 571- HW 2

My website is a car rental service providing website. Currently I have implemented the company side of the website. There are 3 types of users: Administrators, Managers and Employees. Administrators can add new users to the system, update their details and delete them from the system. Employees can add, update and delete products, product categories and special sales. Managers simply query the data and obtain reports.

My database structure is as follows:-

Database carRentalDB

Table structure for table Cars

Field	Type	Null	Default
<i>carId</i>	int(11)	Yes	NULL
carCategoryId	int(11)	Yes	
carManufacturer	varchar(20)	Yes	
carModel	varchar(20)	Yes	
carManufactureYear	int(4)	Yes	
carRegistrationNumber	varchar(15)	Yes	
carInsurancePolicyNumber	varchar(20)	Yes	
carDescription	varchar(150)	Yes	
carPrice	int(11)	Yes	
carScheduledMaintenance	date	Yes	
carImage	varchar(100)	Yes	

Dumping data for table Cars

1	1	Ford	Fiesta	2013	JA243H	I6987443	SE 4 door Sedan (1.6L 4cyl 5M)	8	2014-10-08	ford_fiesta_2013.jpg
2	1	Honda	Fit	2013	JU73U7	I8930001	4door Hatchback (1.5L 4cyl 5A)	8	2014-10-08	honda_fit_2013.jpg
7	1	Fiat	500	2012	12J899	I9031413	Pop 2 door Hatchback (1.4L 4cyl 5M)	8	2014-09-10	fiat_500_2012.jpg
9	1	Toyota	Yaris	2011	TOYO14	I8310312	LE 4 door Hatchback (1.5L 4cyl 4A)	8	2014-11-05	toyota_yaris_2013.jpg
10	2	Mazda	Mazda 3	2014	MZDA88	I7812317	4-door compact (1.5L 4Cyl)	9	2014-12-23	mazda_mazda3_2014.jpg
11	2	Honda	Civic	2014	HON655	I7731980	2-door (1.5L 4Cyl)	9	2014-11-12	honda_civic_2014.jpg
12	2	Chevrolet	Cruz	2013	CHEVY2	I9838992	4-door (1.5L, 4Cyl)	9	2014-10-22	chevrolet_cruz_2013
13	2	Ford	Focus	2013	FFO334	I4627322	4-door (1.5L, 4Cyl)	9	2014-08-21	ford_focus_2013.jpg
14	3	Chevrolet	Impala	2014	IM367A	I6778998	4-door (2L, 4Cyl)	10	2014-11-05	chevrolet_impala_2014.jpg
15	3	Kia	Cadenza	2013	KICA56	I6381888	4-door (2L, 4Cyl)	10	2014-09-24	kia_cadenza_2013.jpg
16	3	Toyota	Avalon	2014	67TF88	I7838847	4-door (2L, 4Cyl)	10	2014-11-19	toyota_avalon_2014.jpg
19	3	Dodge	Charger	2013	DOCH65	I889969	Decent	10	2014-08-12	dodge_charger_2013.jpg
20	4	Honda	CR-V	2013	CRV676	I0013123	4-door (2.5L, 4Cyl)	11	2014-11-19	honda_crv_2013.jpg
21	4	Mazda	CX-5	2013	MZD78A	I5567456	4-door (2.5L, 4Cyl)	11	2014-12-03	mazda_cx5_2013.jpg

22	4	Nissan	Rogue	2013	NROGU3	I4437262	4-door (2.5L, 4Cyl)
23	4	Ford	Escape	2013	FO7665	I8376249	4-door (2.5L, 4Cyl)
24	5	Chevrolet	Tahoe	2014	TAHOE4	I7912001	4-door (3L, 4Cyl)
25	5	GMC	Yukon	2013	YU8GMC	I7632911	4-door (3L, 4Cyl)
26	5	Chevrolet	Suburban	2013	CH5SUB	I4527819	4-door (3L, 4Cyl)
27	5	Ford	Expedition	2013	EXPDN8	I9902999	4-door (3L, 4Cyl)

11	2014-08-27	nissan_rogue_2013.jpg
11	2014-11-26	ford_escape_2013.jpg
12	2014-12-10	chevrolet_tahoe_2014.jpg
12	2014-10-29	gmc_yukon_2013.jpg
12	2014-11-19	chevrolet_suburban_2013.jpg
12	2014-12-17	ford_expedition_2013.jpg

Table structure for table Employees

Field	Type	Null	Default
<i>empId</i>	int(10)	Yes	NULL
empUserId	int(10)	Yes	
empfname	varchar(20)	Yes	
emplname	varchar(20)	Yes	
empGender	varchar(10)	Yes	
empDOB	date	Yes	
empSSN	varchar(20)	Yes	
empAddress	varchar(100)	Yes	
empJoiningDate	date	Yes	
empJobTitle	varchar(20)	Yes	
empSalary	int(10)	Yes	
empDepartment	varchar(20)	Yes	
empType	varchar(20)	Yes	
empYearsOfExp	int(10)	Yes	NULL
empEmail	varchar(40)	Yes	
empPhone	int(10)	Yes	

Table structure for table ProductCategories

Field	Type	Null	Default
<i>productCatId</i>	int(11)	Yes	NULL
productCatName	varchar(20)	Yes	
productCatDesc	varchar(200)	Yes	

Dumping data for table ProductCategories

1 Economy	Rent an economy car for driving in crowded, downtown areas with busy traffic and tight parking space.
2 Compact	Compact cars offer great gas mileage and the ease of driving and parking in high traffic areas.
3 Full Size	A full size car rental provides enough room to fit up to 5 passengers comfortably.
4 Standard SUV	A Standard SUV has room to seat 5 passengers and has a split rear seat for hauling bulky items
5 Large SUV	A large, full size SUV rental offers a powerful engine and many features, including cruise control,

Table structure for table SpecialSales

Field	Type	Null	Default
<i>specialSalesId</i>	int(10)	Yes	NULL
specialSalesProductCatId	int(10)	Yes	
specialSalesStartDate	date	Yes	
specialSalesEndDate	date	Yes	
specialSalesDiscountPercent	int(10)	Yes	

Table structure for table Users

Field	Type	Null	Default
<i>userId</i>	int(10)	Yes	NULL
username	varchar(20)	Yes	
password	varchar(50)	Yes	
userType	varchar(20)	Yes	

I have already put in three users:
Administrator : username: admin
password: admin

Employee: username: admin
password: admin

Manager: username: man
password: man

I have also used SESSION variable to maintain user Sessions. I have set the timeout period to be 180 seconds = 3 minutes.

The files in my project are:-

1. addUpdateCarCategories.php
2. addUpdateCars.php
3. addUpdateEmployee.php
4. addUpdateSpecialSales.php

The first 4 are forms to add/update records in the DB

5. adminMainPage.php – This is the landing page for administrators after login.
6. deleteCar.php
7. deleteCarCategory.php
8. deleteEmployee.php
9. deleteSpecialSales.php

The above 4 are used to delete records from the DB

10. employeeMainPage.php - This is the landing page for employees after login.
11. login.php – Login page for login validation.
12. managerMainPage.php - This is the landing page for managers after login.
13. postlogin.html
14. prelogin.html

These two are HTML pages for the login page.

15. searchEmpBySalary.php
16. searchEmpByType.php
17. searchProdByCat.php
18. searchProdByPrice.php
19. searchProductByName.php
20. searchResults.php
21. searchSsByCat.php
22. searchSsByED.php
23. searchSsByPN.php
24. searchSsByPrice.php
25. searchSsBySD.php

All the above files are for querying the data in the DB and obtaining results.

26. storeCarCategoriesData.php

27. storeCarsData.php

28. storeEmployeeData.php

29. storeSpecialSalesData.php

The above four files are for storing the data filled in forms into the DB.

The first page of the website is the login.php page that can be accessed using the following

URL: <http://cs-server.usc.edu:9046/CSCI571HW2/login.php>

The user logs in here by providing his/her credentials. If successful, the user is taken to one of the 3 landing pages based on what type of user he is. From there on the User can carryout his tasks by navigating through the website using the buttons available on the page.