

Dashboard ► Full Stack Web Development 4.0 ► CR 4.0 ► Week 11 - CodeReview ► CodeReview 11

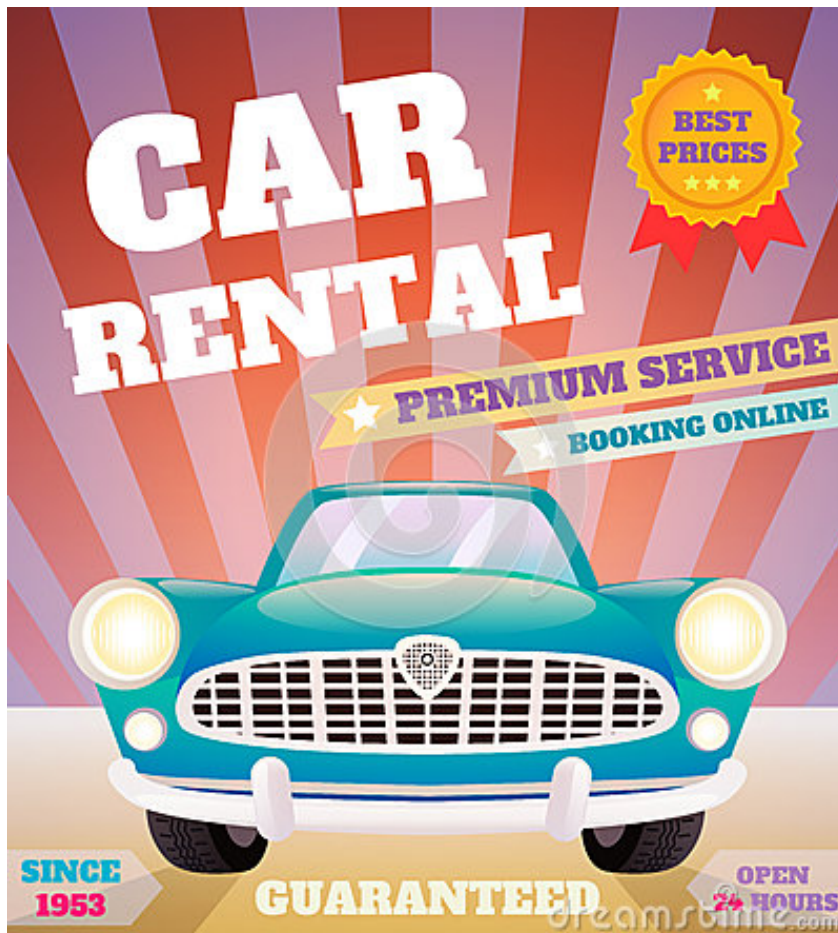
CodeReview 11

Good morning students,

welcome to your 11th CodeReview. You will need to achieve 60 points to pass this CodeReview successfully. Partially-accomplished criteria will be judged according to the achievement. Based on your achievements, actual grading (green / yellow / red) will be further created by our staff.

You can submit your solution until **Saturday 30.06.2018, 17:00**.

Task Description: PHP car rental agency



You have already created a car rental site. Now it is time to expand even more on it.

Project description

"PHP car rental agency" has several offices across Vienna. At every single **office**, several **cars** are stationed and

6/29/2018 In the meantime, a car is not at the office - it is on the streets of Vienna. All cars have an installed GPS system that tracks them and reports latitude and longitude to the web server database through a system designed by a 3rd party company (for you, location data appears “magically” in the corresponding database table).

(Note: contrary to the DB-centric CodeReview 09, this one is not focused on the rental process, but more on the tracking of cars. If you feel very confident, you can expand on the base of your previous work - otherwise, create a DB structure that is simpler and covers this specific use-case. No elaborate DB design process is needed - SQL dump of the database is sufficient (i.e. no PDFs with ERP & DB-diagrams are required).

Project Naming Conventions

Your GitHub Project should be named:

- **FSWD40-CodeReview11**

Your MySQL database should be named:

- **cr11_name_surname_php_car_rental**

Example: cr11_john_doe_php_car_rental

Do not forget to submit an export of your database in the root folder of your project as a file:

- **cr11_john_doe_php_car_rental.sql**

Note: In case that you do not follow the naming convention your CodeReview can't be in the green grading zone.

Basic points

1. (10 points) Ensure that your database is in the 3rd Normal Form. Ensure that all elements given as bold in the task description (Task Description: PHP car rental agency) are covered in your database design.
2. (10 points) Recreate your database design in MySQL. Add sufficient test data (at least 4 offices, and at least 12 cars plus other data when required)
3. (10 points) Display the list of offices on a single web page (**office_list.php**).
4. (10 points) Display the list of all cars on a single web page (**cars_list.php**).
5. (30 points) Create a PHP based system that accesses the data supported by a nice front-end and responsive HTML (back-end students can just display data in pure HTML): show the list of all cars with the names of their current locations (not just some ID numbers, but actual names in **cars_locations.php**).

Create a **filter with a selection of locations** over a list or over a combo box (HTML <select> & <option> tag) in your HTML. Once you submit a request to the server, the server responds with data that represents the filtered list of cars (filtered per selected location).

6. (20 points) Integrate the system with a user access data management (Admin/User). Only logged in customers can access the lists (points 3, 4 and 5). Only Admins should be able to access point 7.

7. (10 points) create a report that presents a list of locations and number of cars per location, like:

Location Name	Number of Cars
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Landstrasse, Hainstrasse, 1/1	7
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...

....

Hint: to solve point 7, you can use one of the following approaches:

- a) very complex SQL command
- b) evaluate the data on the server-side and find out the number of cars per location, then create an HTML on request.
- c) you can create the list of all cars, send it to the client side, and evaluate it on the client side with JavaScript.

Bonus points

1. (20 points) track the physical location of the cars that are currently rented. Use API to present the positions of the cars on Google Map. Use this icon: . Present also the location(s) of the offices on the same map:



Submission status

Submission status	No attempt
Grading status	Not graded
Last modified	-
Submission comments	► Comments (0)

Add submission

Make changes to your submission