

# CSE 348 Database Management Systems PROJECT

**Due Date: 24.05.2016 23:59**

## 1. CREATING TABLES OF THE PROJECT

- (i) Create tables for holding DISTRICTs and CITYs of Turkey. (Example District: Marmara, City: İstanbul)
- (ii) Create a table for holding MARKETs available in a city.
- (iii) Create a table for holding information about a SALESMAN employed in a market.
- (iv) Create a table to hold information about CUSTOMERs.
- (v) Create a table for PRODUCTs.
- (vi) Lastly, create a SALE table which holds a product's sale information, who bought the product (CUSTOMER) and who sold them (SALESMAN).

Prepare an installation page with PHP (can be named as install.php) and when clicked on installation button, it should create the tables described above and fill these tables with the information described in Part 2. **Warning:** Name your database as your name\_surname (eg. *yusufcan\_semerci*), username of your database : *root* and password: *mysql*

## 2. INSERTING ELEMENTS TO THE TABLES

- All districts and cities of Turkey should be held in an csv file and imported to the appropriate tables with install action.
- 500 random Turkish Names and 500 random Turkish Surnames are to be held in an csv file and their combinations of 1620 full names should be inserted into CUSTOMER table. 1215 full names should be inserted in the SALESMAN table
- You should have 200 randomly chosen product names that will be inserted to the PRODUCT table.
- You should define 10 different markets.
- Every city should have 5 different randomly chosen markets.
- Finally for every customer, you should have at most 5 sale item inserted with install action. **Warning:** Do not forget to include associated salesman who made the sale while inserting information about sales.
- Every market should have exactly 3 salesman who work there.

### 3. REPORTING ACTIONS

You are instructed to implement the following reporting actions in some PHP files:

(A) After choosing the city in a select box, you should show for each market, how many products they sold. You should write a PHP file (can be named as **ShowCitySalesInformation.php**) for these selecting and showing actions.

(B) After choosing a market, you should have three actions:

(i) Click on a product button to see which product has been sold how many times.

(ii) Click on a salesman button to see which salesman has sold how many products.

(iii) Click on a choose salesman button, when a salesman of that market is chosen, you should show all the sale information of that salesman.

(iv) After click on invoice button choose the customer who bought items in that market, then show his/her products, their prices, sale date and total cost.

(C) When report button is clicked do the actions below in a single page:

(a) Draw a piechart on all sales divided into districts.

(b) Draw a piechart on all sales divided into markets.

You should write a PHP file for both operations defined in Part B. (This file can be named as **MarketSalesInformation.php**). In this file you should create buttons associated for the actions defined above. For (A) and (B), use progress bars to show how many items or how many times an item sold.

Send your project files (including php files, csv files and exported sql file of the database) with a zip file named as your name and surname, attached in front of "CSE348Project" (e.g., "**YusufCanSemerciCSE348Project.zip**") through the "**CSE 348 - Project**" link on the course page at COADSYS.