

CS306 PROJECT STEP 3

THE DESCRIPTION OF OUR USE CASES:

Use Case 1: This use case allows human resources officers of the supermarket to get information about the managers of the departments which they have in the supermarket. Each department is managed by one manager and the SQL query for this use case displays the names of these departments and, the social security number, the names and the e-mails of the managers who manage those departments.

Use Case 2: This use case allows HR officers to get information about the sales representatives who are working in a specific department. The supermarket managers should give the department's name to view its sales representatives' information. The SQL query for this use case displays the names, the gender and the salaries of the sales representatives who work in the given department. The name of the department will be taken as an input by using html form in the related web page.

Use Case 3: This use case allows the accountant of the supermarket to get general perspective about the economic situations of the sales representatives of all departments. For example, the number of the employees and the average salary of the employees who are working in a department are nice indicators to show the salary distribution and so the economic situation in that department. Therefore, the SQL query for this use case displays the name of each department and for each department; it displays the number of sales representatives and the average salary of those sales representatives who work in that department.

Use Case 4: This use case allows the logistics department of the supermarket to get information about the stocks (the number of products stored) of a particular brand in a specific department. Thus, they can report if there is no enough product from a brand in a department. The brand name and the department name to be searched should be given by the logistics officer by filling the form on the web page. In this way, the SQL query for this use case displays the name of the given department, the name of the given brand and for the given department; it displays the number of products (stock) of the given brand stored in the given department. The name of the department and the brand will be taken as inputs by using html form in the related web page.

Use Case 5: This use case allows the logistics department to register a new supplier by filling the form with the name of new supplier that they want to register. Therefore, the SQL statement for this use case inserts new supplier name which is taken as an input.

Use Case 6: This use case allows the accountant to register sales information into the database system so that they can have the necessary information about which product from the supermarket is bought by which customer. This information can be very useful for them to analyze the sales statistics in the future. In this way, the SQL statement for this use case inserts the customer's id and the sold product's id which are already known by the database before and taken as input through html form.

Use Case 7: This use case allows HR officers to get information about the policy costs and the dependents of the managers. The SQL query for this use case displays the table that includes the managers' social security number, name, salary; the total number of dependent people who are included in the policy of the manager and the total cost of the policy for that manager. This use case provides to analyze the ability to pay the policy cost for each manager and the balance between the salary and the total cost of policy.

Use Case 8: This use case allows the customer services department to get information about the purchasing habits of the customers. Therefore, the SQL query for this use case displays the information about which customer buys the product of which department in general. Thus, customer services department can send proper advertisement to the customers' mobile phones. The SQL query takes customer name as input in the related page through html form, and then it displays the total number of products which is bought by the customer for each department.

THE DESCRIPTIONS OF OUR WEB PAGES:

Index.html: We will have 6 sections as buttons in home page (index.html). They are named as Departments, Sales Representatives, Suppliers, New Sales, Managers and Customers.

Use Case 1:

departments.php: Firstly, this page will show the departments' general information as a table. Then, there will be a button for Use Case 1 as "Show Managers".

displayDepartMan.php: This page will show the table for use case 1 by running the query for use case 1.

Use Case 2:

sales_rep.php: Firstly, this page will show the sales representatives' general information as a table. Then, there will be an html form for the input of use case 2.

sRepInDep.php: This page will show the table for use case 2 by running the query for use case 2.

Use Case 3:

sales_rep.php: Additional to the description of *sales_rep.php* for use case 2, this page will also have a button for use case 3 as "Average Salaries".

avgSalarySRep.php: This page will show the table for use case 3 by running the query for use case 3.

Use Case 4:

departments.php: Additional to the description of *departments.php* for use case 1, this page will also have an html form for the inputs of use case 4.

depBrandStock.php: This page will show the table for use case 4 by running the query for use case 4.

Use Case 5:

suppliers.php: Firstly, this page will show suppliers' general information as a table. Then, there will be an html form for the input of use case 5.

addSuppliers.php: This page will insert a new supplier to the database by running the SQL statement for use case 5. It will give a success message if the insertion succeeds.

Use Case 6:

newSalesForm.php: There will be an html form for the inputs of use case 6 in this page.

newSales.php: This page will insert new sales information to the "buys" table of the database by running the SQL statement for use case 6. It will give a success message if the insertion succeeds.

Use Case 7:

managers.php: Firstly, this page will show the general information of managers as a table. Then, there will be a button for use case 7 as "Policy Information".

displayPolicyMan.php: This page will show the table for use case 7 by running the query for use case 7.

Use Case 8:

customers.php: Firstly, this page will show the general information of customers as a table. Then, there will be an html form for the input of use case 8.

customerStat.php: This page will show the table for use case 8 by running the query for use case 8.

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