CSE 300 Midterm 3

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Consider the following relations about the suppliers-parts-projects database. The significance of an shipment row is that the specified supplier supplies the specified part to the specified project in the specified quantity.

Suppliers(sid:integer, sname:string, status:integer, city:string)

Parts(pid:integer, pname:string, color:string, weight:integer, city:string)

Projects(prjid:integer, prjname:string, city:string)

Shipment(sid:integer, pid:integer, prjid:integer, quantity:integer)

I. QUESTION (20 POINTS)

Create an html and a jsp file that asks the user to enter a city name and checks whether there exists a supplier, part or a project in that city. If any one exists, the program will delete that supplier / part / project from the database. If any one of the supplier / part / project does not exist, the program will do nothing. The names of the files will be question1.html and question1.jsp.

II. QUESTION (20 POINTS)

Create an html file that asks the user id, name, color, weight, and city of a new part P. In the next phase, using a jsp file, you will insert that part P in the database. The names of the files will be question2.html and question2.jsp.

III. QUESTION (20 POINTS)

Create a jsp file that displays the total quantity of shipment grouped by projects. Each line of the output contains two columns, whereby the first column shows the project id and second column shows total shipment done with that project id. The name of the file will be question3.jsp.

IV. QUESTION (20 POINTS)

Write an html file which asks the user enter two integers, say X and Y. Your jsp file will then display the prime numbers that are larger than X but smaller than Y. The names of the files will be question4.html and question4.jsp.

V. QUESTION (20 POINTS)

Write an html file that ask the user its login name. Using a jsp file, you will display how many times that user has visited the page. You are not allowed to use database in this question. (Hint: Create a cookie for each user. The name of the cookie will be the user name, the value of the cookie will the visit count) The names of the files will be question5.html and question5.jsp.