Databases Homework 1 report

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Personal statement:

'I certify that this assignment is entirely my own work, performed independently and without any help from the sources which are not allowed.'

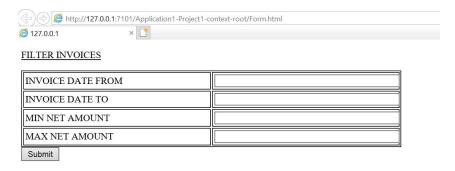
Signed: M Hasibur Rahman

The purpose of each java servlets and html files:

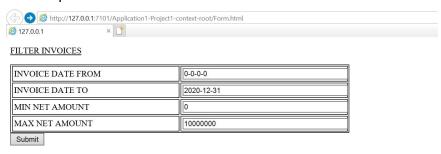
- Servlet1.java prints out the table and is also used as a href after any update/insert/delete is performed i.e. after each process is finished we can redirect to the changed table
- Servlet2.java performs the filter and enables us to access update/insert/delete properties for the filtered rows
- Servlet3.java serves as the input form to get to the inputs to Insertdata.java
- Insertdata.java goes through logic to check in input data is permissible and outputs if insertion was successful or not
- Servlet5.java serves as the input form to get to the inputs to Update.java
- Update.java goes through logic to check if input data is permissible and outputs if update was successful or not
- Delete.java deletes a row
- Form.html is what we run and starts the filtering process.

Example use:

When Form.html is run we see this:



After enter desired parameters:



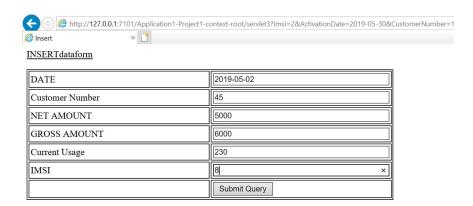
The result:

FILTER ROWS

IMSI	ACTIVATION_DATE	CUSTOMER_NUMBER	NET_AMOUNT	GROSS_AMOUNT	CURRENT_USAGE	
2	2019-05-30	13	3367.0000	8302.0000	2666	INSERT UPDATE DELETE
4	2019-04-23	15	1238.0000	3457.0000	456	INSERT UPDATE DELETE
5	2019-07-05	16	1374.0000	4312.0000	865	INSERT UPDATE DELETE
24	2019-05-30	13	3367.0000	8302.0000	3	INSERT UPDATE DELETE

Now lets Insert by pressing any of the insert on above pic also I have checked that when I put an IMSI number(which already exists in the current table) we get an error. The below shows when we put an unique IMSI number(i.e. Successful insertion)

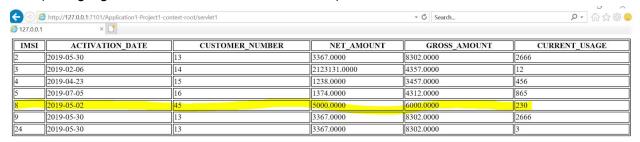
:



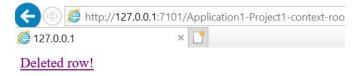
When the submit query is pressed, we get a confirmation of insertion:



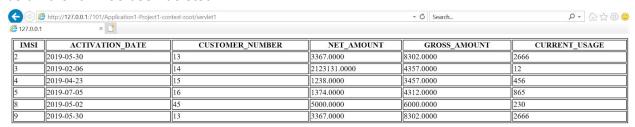
When we press on the hyperlink above we are directed to Servlet1.java i.e. to the new table(As highlighted below IMSI-8 has been added):



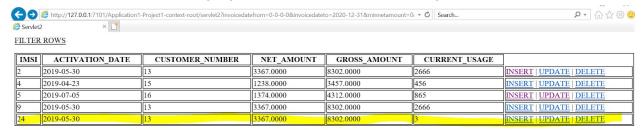
Now we will press delete IMSI-24 in the new table to show that delete.java works:



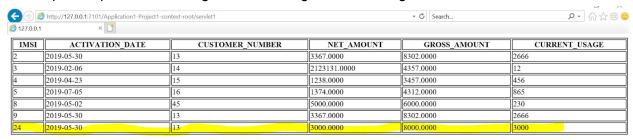
When the Delete row! Hyperlink is pressed we are redirected to Servlet1 and as seen below the row has been deleted:



Now Lets check Update(the highligted row is what we are updating:



Once I press update and change the values I get the following:



As seen above the row has been updated.