

Capstone Project Report

Report Development Using Jasper

Group No.11

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ABSTRACT

The purpose of the project is to fetch the data from the database using code and generate the report in a format as desired by the user according to the query. The end product here gives a report displaying the information of the number of retailer shops, working under a specific mobile company for a particular period of time as requested by user. This project took place in NIIT University during 2018 year .The project involves the java code done in Spring MVC in Eclipse IDE with MySQL database using Tomcat server and Jaspersoft API tool .

Keywords: Java programming Spring MVC, database MySQL, Jaspersoft Studio, user based Interface, JSP, Tomcat Server.

OBJECTIVE

The objective of the project is to fetch the data from the database through java code and generate the report in a format desired by the user. The end product here was to give a report displaying the information of the number of retailer shops, working under a mobile company for a specific period of time as requested by user.

- User Authentication
- Verification and Home Page access.
- A link for report generation is displayed on a website .
- Redirects to Mobile sales dashboard page.
- Selection of the report format : HTML/PDF.
- The user have to enter the number of years .
- The number of years will show how many years a specific dealer has been associated with the company.
- User can add Data dynamically to the database.
- PDF will be save in desktop

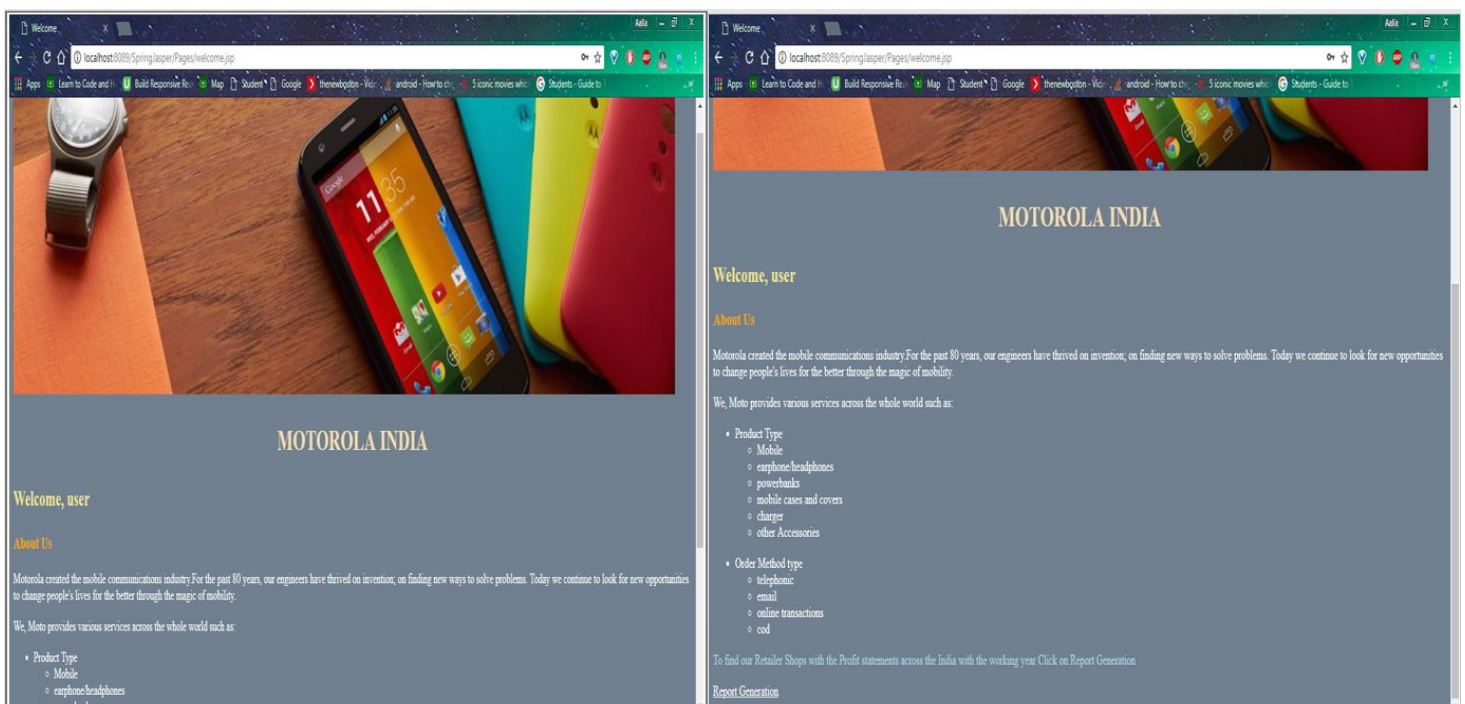
RESULTS

- The User Login page:

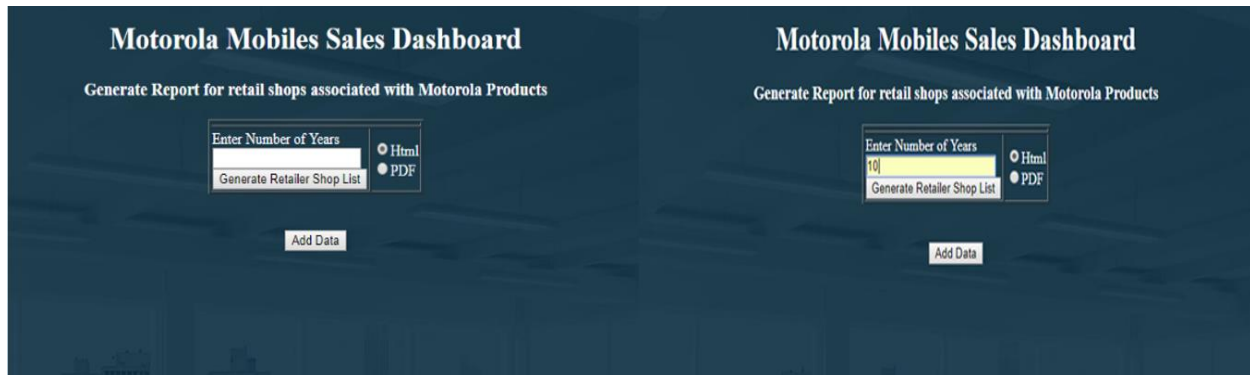
The image displays four instances of a 'Please Login' form arranged in a 2x2 grid. Each form has a title 'Please Login' at the top. The fields are: 'Enter Your Name :', 'Enter Your Password :', 'Select UserType' (a dropdown menu), and a 'submit' button.

- Top Left:** All fields are empty.
- Top Right:** An error message 'Error In Login' is displayed in red text below the form.
- Bottom Left:** A message 'Sorry, your record is not available.' is displayed in red text below the form.
- Bottom Right:** The 'Enter Your Name' field contains 'user', the 'Enter Your Password' field contains a masked password (dots), and the 'Select UserType' dropdown is set to 'user'.

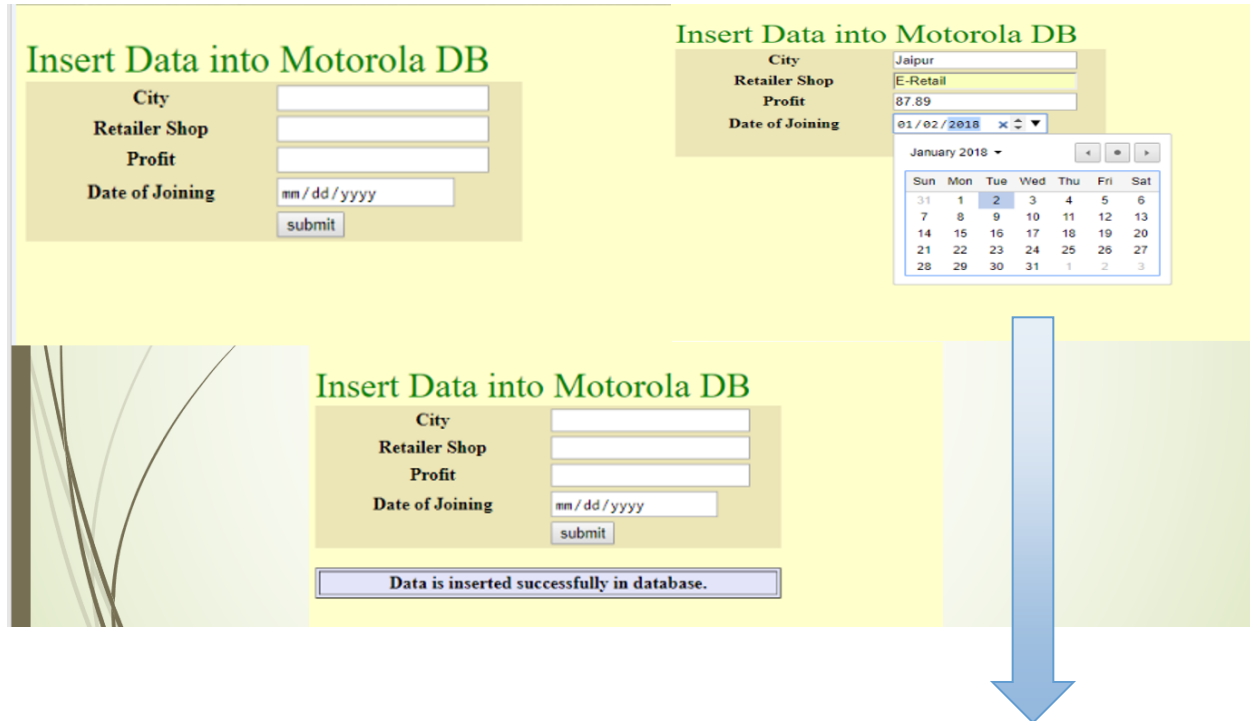
- The website of the Motorola Company



- Mobile Sales Dashboard



- Dynamically inserting data into database



Insert Data into Motorola DB

City

Retailer Shop

Profit

Date of Joining

Data is inserted successfully in database.

MySQL 5.7 Command Line Client

Chennai	Croma	16	2000-11-15
Kochi	E-Retail	42	2010-06-30
Agra	Samsung Smart Cafe	220	1997-03-15
Jaipur	iStore	7	1997-11-15
Mysore	91mobiles	-383	2007-04-13
Agra	The Mobile Store	3	1999-11-06
Bangalore	Croma	14	2016-05-08
Kolkata	E-Retail	2	2015-06-25
Jaipur	Samsung Smart Cafe	91	2018-02-10
Kochi	Nokia Mobile Shop	6	2001-03-26
Surat	Croma	34	2014-07-24
Lucknow	Reliance Digital JIO Store	85	2000-10-24
Chandigarh	iStore	68	1997-04-10
Chennai	Nokia Mobile Shop	5	2009-12-28
Kochi	91mobiles	133	1998-10-06
Agra	Nokia Mobile Shop	-124	2012-08-24
Jaipur	The Mobile Store	-4	1996-10-24
Mysore	Croma	13	2000-11-17
Dehradun	E-Retail	10	2011-11-11
Srinagar	The Mobile Store	2	2016-08-08
Goa	Croma	16	1996-05-02
Karnataka	E-Retail	42	1993-01-19
Goa	Samsung Smart Cafe	220	2015-12-31
Dehradun	91 mobiles	59	2010-03-28
Delhi	Jumbo Electronics	96	2009-08-17
Jaipur	E-Retail	88	2018-01-02

172 rows in set (0.00 sec)

mysql>

Data inserted successfully!

• Our Second Approach :

<http://localhost:8082/FinalCapstone/faces/Mainweb.xhtml>

Mobile Sales Data

Company:

Apple ☐
Asus ☐
Gionee ☐
Honor ☐
Intex ☐
Jio ☐
Karbonn ☐
Lava ☐
Lenovo ☐
Letv ☐
LG ☐

MI ☐
Micromax ☐
Moto ☐
Nokia ☐
One Plus ☐
Oppo ☐
Samsung ☐
Sony ☐
Vivo ☐

City:

Agra ☐
Bangalore ☐
Chandigarh ☐
Chennai ☐
Dehradun ☐
Delhi NCR ☐
Jaipur ☐
Kochi ☐

Kolkata ☐
Lucknow ☐
Mumbai ☐
Mysore ☐
Srinagar ☐
Surat ☐

- Sample reports generated :

Mobile Sales Report

Company	City	Product Type	Quantity	Order-Method	Retailer	Year	Month	Revenue	Profit
Sony	Chennai	Power Bank	133	Special	Croma	2014	January	20003.2	68.35680
Lenovo	Mumbai	Mounts &	296	Special	E-Retail	2016	November	15122.72	16.01099
Sony	Chennai	Power Bank	133	Special	Croma	2014	January	20003.2	68.35680
Lenovo	Mumbai	Mounts &	296	Special	E-Retail	2016	November	15122.72	16.01099
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Retailer Joined after 2016/05/08

Delhi - NCR

5/8/16 12:00 AM

Mumbai

2/10/18 12:00 AM

Chandigarh

5/28/16 12:00 AM

Delhi - NCR

5/8/16 12:00 AM