

IDS 517 – Group S16G40 (User Manual)

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INTRODUCTION:

This Document is written to help understand the functionality and the page structure of the application. This application is developed by s16g40 group as a part of the curriculum of IDS 517 – Enterprise Application Development.

Launching the Application:

This application is compatible with most of the modern web browsers like Mozilla, Safari, Firefox, Internet Explorer. The web application can be accessed by typing the url in the following pattern – <http://ipaddress:portnumber/s16g40>. The welcome page appears as follows.

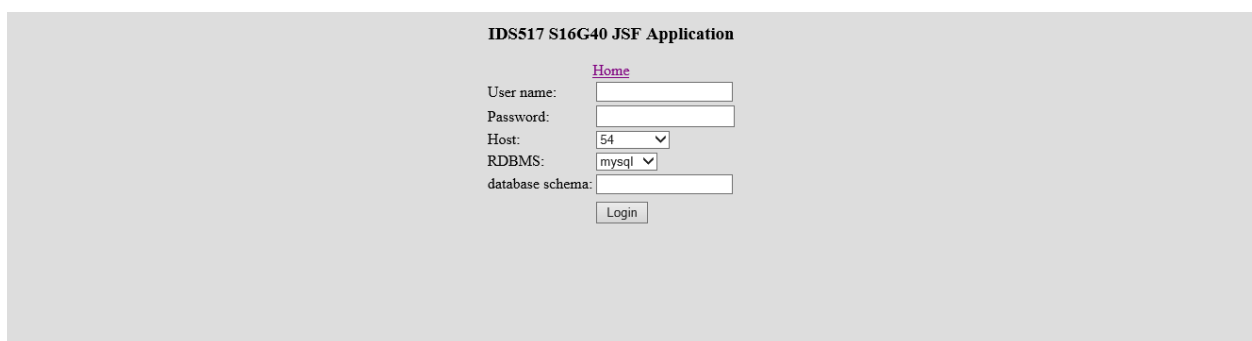
IDS517 s16g40 JSF Application

[Login](#)

[Help Doc](#)

The link to the login page and to this document are provided on the welcome page.

Clicking the Login link would take the user to this page:



IDS517 S16G40 JSF Application

[Home](#)

User name:

Password:

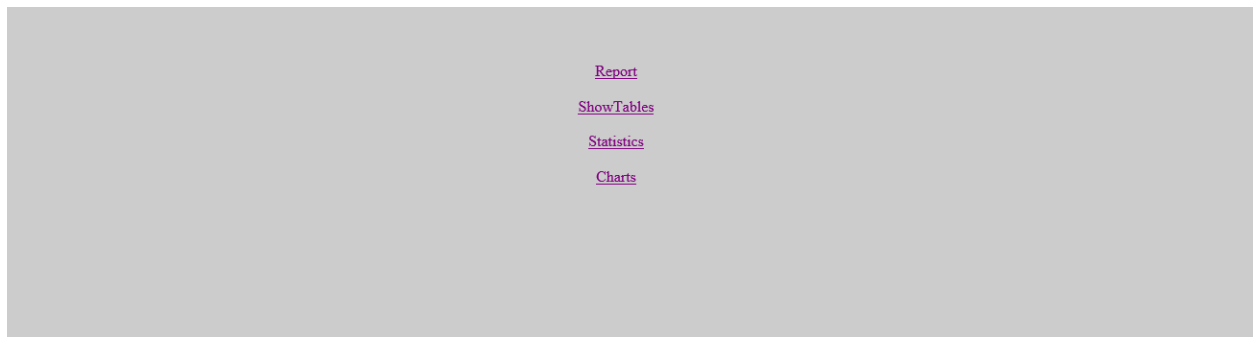
Host:

RDBMS:

database schema:

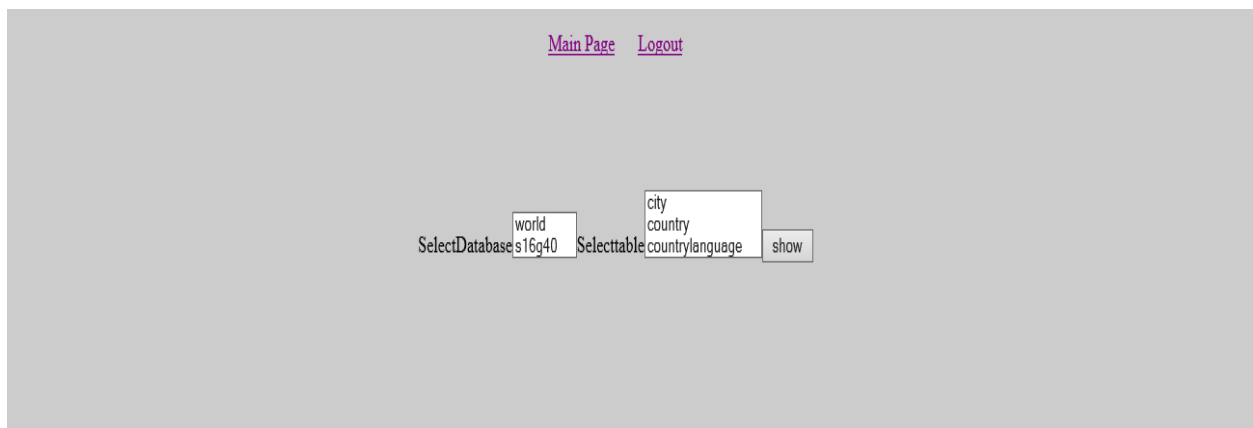
Users are given the option to connect either of the two servers used in the class. On Entering the credentials the login access is given based on whether the connection to the database server is created or not. After successful login the user is directed to the following page, which is basically a main page and consists of links to all other pages of the application.

Main Page:



This Page consists of links to Report, Show Tables, Statistics, charts Pages of the application.

SHOW TABLES:



This section of the web application retrieves the tables of the schema. The users have the option to select either the world schema or the group schema and select the respective tables.

The results are as follows : One of the tables is showed in the following page.

Name	Code	District	Population
Kabul	AFG	Kabul	1780000
Qandahar	AFG	Qandahar	237500
Herat	AFG	Herat	186800
Mazar-e-Sharif	AFG	Balkh	127800
Amsterdam	NLD	Noord-Holland	731200
Rotterdam	NLD	Zuid-Holland	593321
Haag	NLD	Zuid-Holland	440900
Utrecht	NLD	Utrecht	234323
Eindhoven	NLD	Noord-Brabant	201843
Tilburg	NLD	Noord-Brabant	193238
Groningen	NLD	Groningen	172701
Breda	NLD	Noord-Brabant	160398
Apeldoorn	NLD	Gelderland	153491
Nijmegen	NLD	Gelderland	152463
Enschede	NLD	Overijssel	149544
Haarlem	NLD	Noord-Holland	148772
Almere	NLD	Flevoland	142465
Arnhem	NLD	Gelderland	138020
Zaanstad	NLD	Noord-Holland	135621
Á's-Hertogenbosch	NLD	Noord-Brabant	129170
Amersfoort	NLD	Utrecht	126270
Maastricht	NLD	Limburg	122087
Dordrecht	NLD	Zuid-Holland	119811
Leiden	NLD	Zuid-Holland	117196
Haarlemmermeer	NLD	Noord-Holland	110722
Zoetermeer	NLD	Zuid-Holland	110214

Links are provided to the user to return to the main page or to logout of the application.

STATISTICS:

Statistics like the maximum, minimum, quartiles, Standard deviation, Mean are calculated for a particular column selected in a table. The sample reports appear as follows.

[Main Page](#)
[Logout](#)

world
 Select-Database: s16g40

city
 country
 Select-Table: countrylanguage

show-columns

ID
 Name
 CountryCode
 District
 Population

Get-Stats

mean:	min:	Max:	q1:	q2:	stddev:
350468.22358421143	42.0	1.05E7	114763.0	311000.0	723775.712204731

REPORTS:

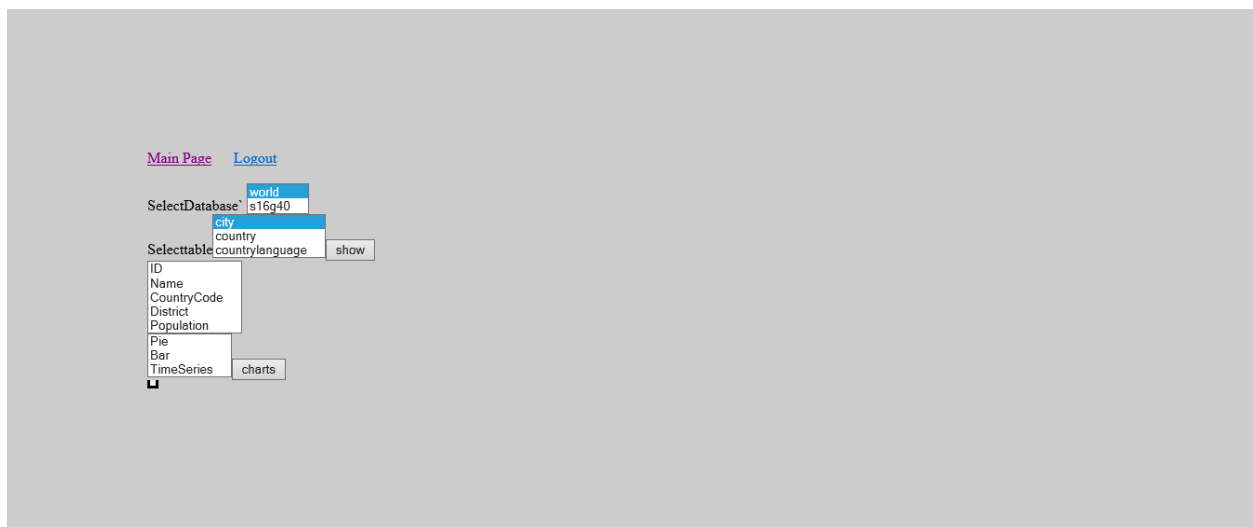
Simple reports are generated using the application. Reports include information like the total sum of all the values, count etc. The Reports are specific to a particular table.

Sample report looks as follows:



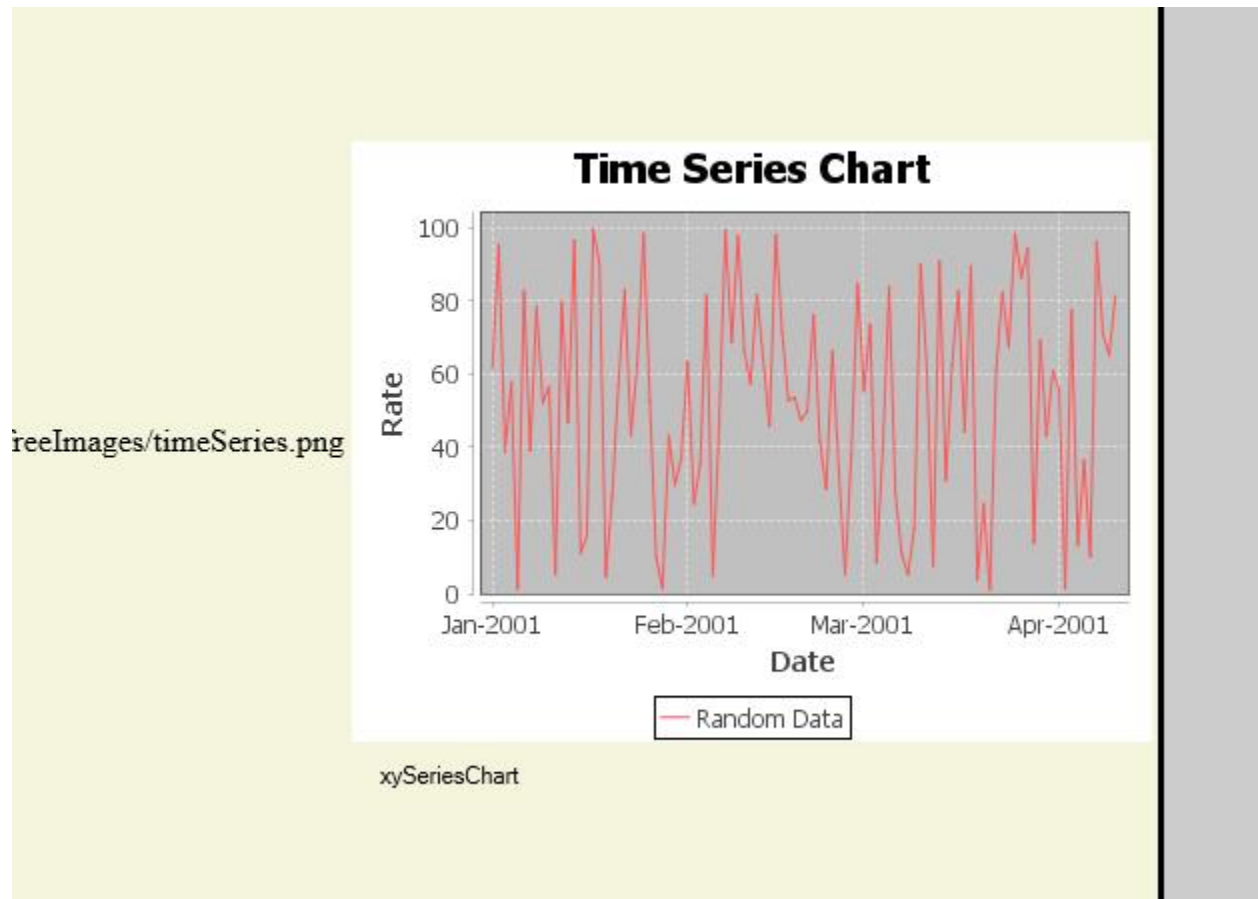
SHOW CHARTS:

Charts are created using the Jfree Chart API. Charts like pie charts, bar graphs, time series graphs can be created using the application.

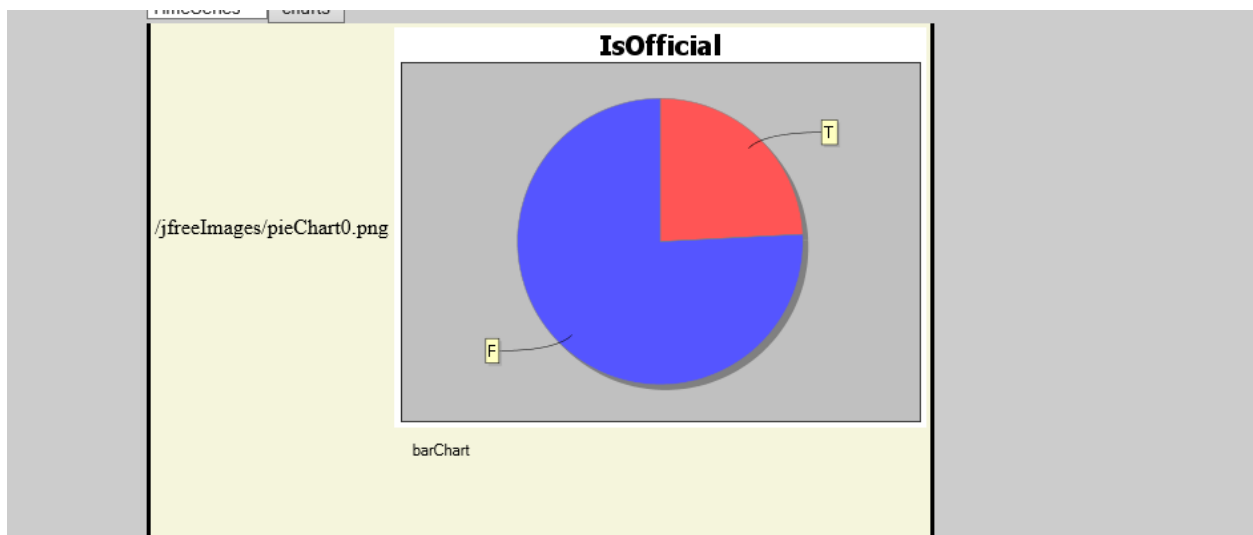


The sample output charts are show below:

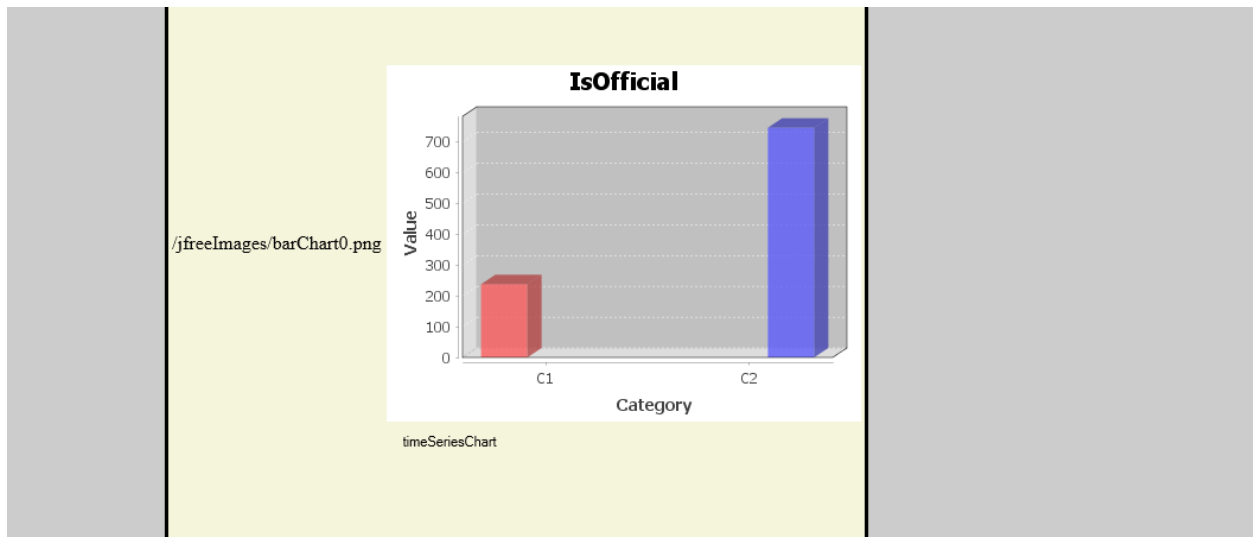
Time Series:



Pie Chart:



Bar Graph:



Logout:

Press Logout to Exit

Logout

Pressing the logout button redirects the users to Login Page.