

USER GUIDE

Sreenivasulu Bathula & Raghu Keerti Petla

IDS 517 Project Group S16G24

User Guide for IDS 517 S16G24 Web Application

Contents

Introduction.....	3
Launching the application:.....	3
Logging into the application:	4
Navigation:	6
Generating Reports	6
Database Operations.....	8
Data Analysis	15
Logging out of the application	18

IDS 517 Project Group S16G24

Introduction

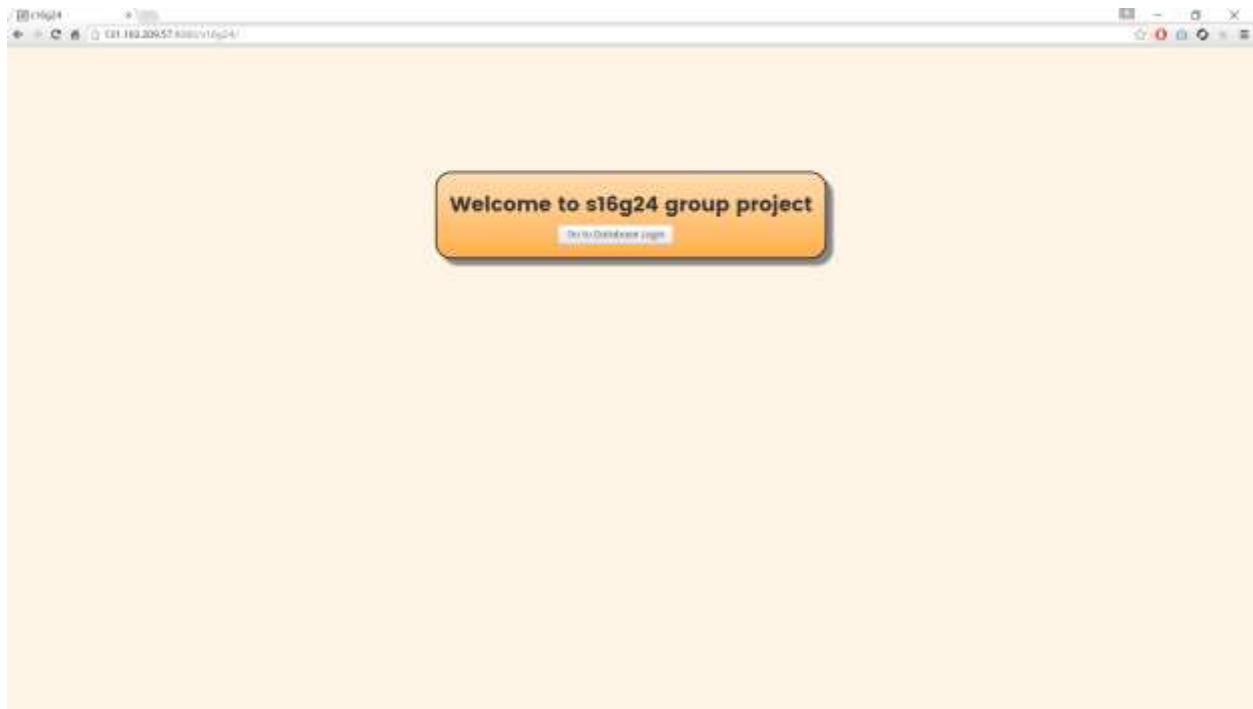
This document helps user to navigate and understand the functionality of the web application created by the group s16g24 as a part of Enterprise Application Development – spring 2016 term project.

Launching the application:

Our web based application requires a browser to run and compatible with all the common browsers such as Google Chrome, Safari, Internet Explorer and Mozilla Firefox.

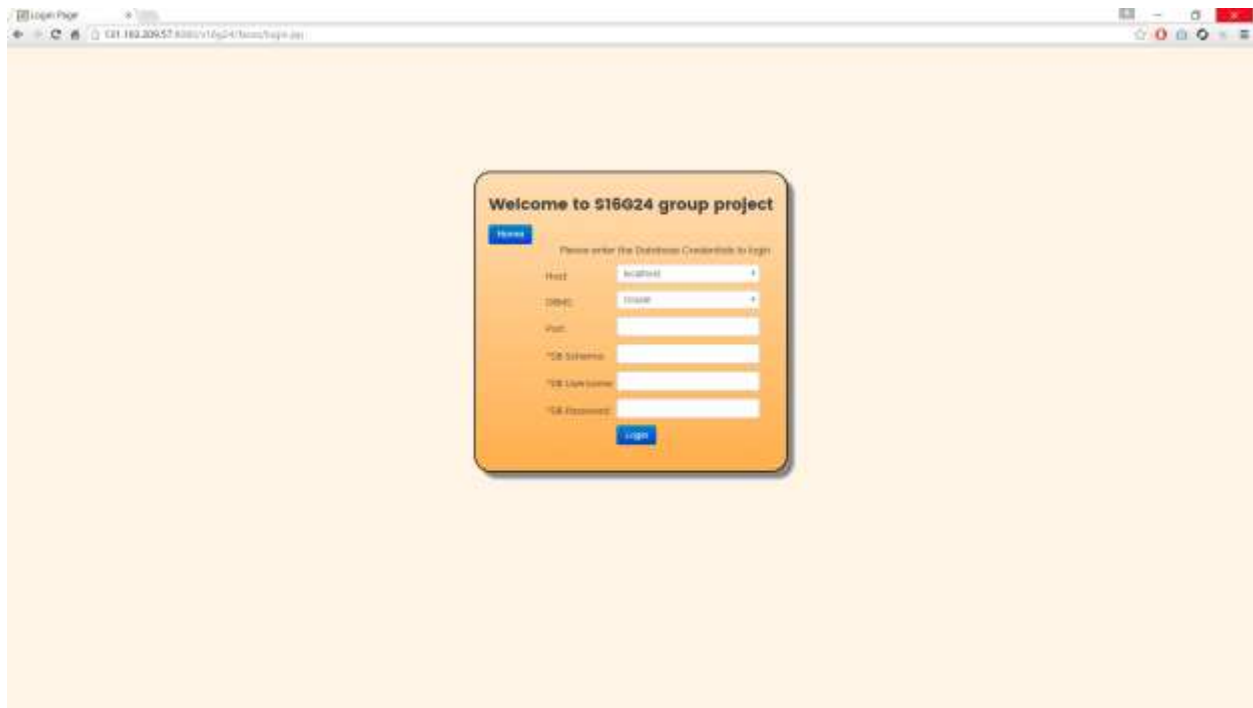
Application can be launched by entering the url in a browser in the following format <http://hostserver:portnumber/s16g24/> and clicking on enter. The default page that loads up on doing the above action is shown below.

IDS 517 Project Group S16G24



Logging into the application:

On clicking “Go to Database login” button, a login page with a form is loaded as shown below



IDS 517 Project Group S16G24

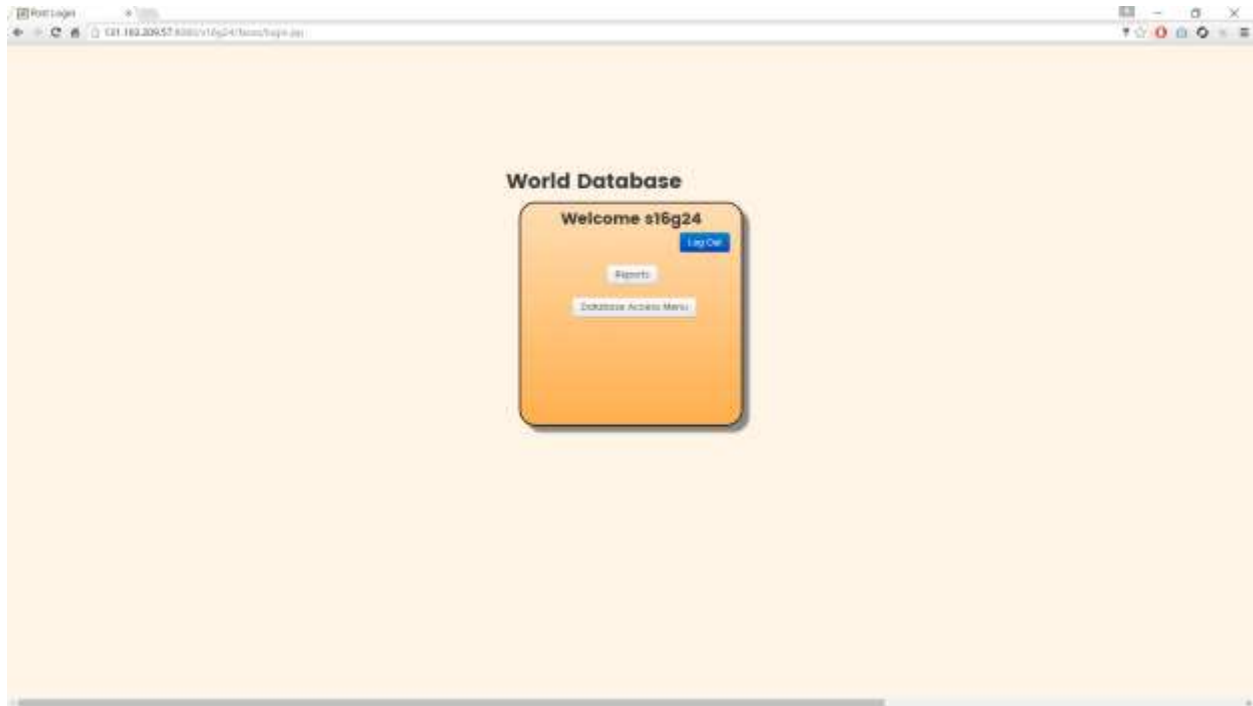
User has an option to select different types of servers available in the Host dropdown list and three different types of DBMS available. Port field is populated by the application based on the DBMS selected.

The image displays two screenshots of a web application's login page, titled "Welcome to S16G24 group project". The page features a central orange box with a "Host" button and a "Please enter the Database Credentials to login" instruction. The first screenshot shows the "Host" dropdown menu open, displaying options: localhost, localhost, 14 Server, and 87 Server. The second screenshot shows the "DBMS" dropdown menu open, displaying options: Oracle, Oracle, SQL, and MySQL. Both screenshots show fields for Host, DBMS, Port, *DB Schema, *DB Username, and *DB Password, along with a "Login" button.

IDS 517 Project Group S16G24

Navigation:

Once the user enters all the information and click on 'login', user can see the home page with buttons to access Reports, Database operations and Data Analysis menu.



Generating Reports

On clicking Reports button, user is taken to the World Reports page.

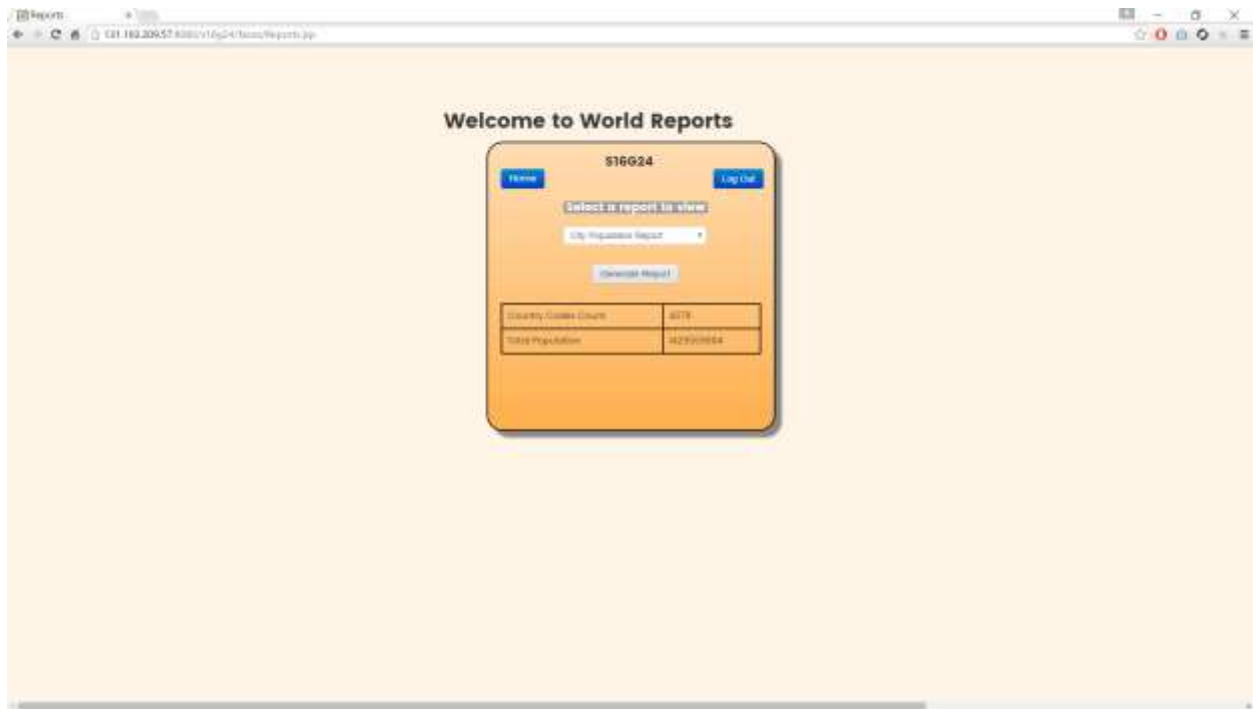
IDS 517 Project Group S16G24



User has an option to select one of the four reports from the 'select a report to view' dropdown.

Clicking on Generate Report will populate the page with the respective report result.

IDS 517 Project Group S16G24



[Database Operations](#)

Clicking on 'Database Access Menu' will load the below page

IDS 517 Project Group S16G24



User can select one of the available database schemas from the dropdown available below 'select a database'.

Clicking on 'Table list' button will populate all the tables present in the selected schema.

Selecting one of the populated tables and clicking on column list will generate the columns present in the selected table.

IDS 517 Project Group S16G24

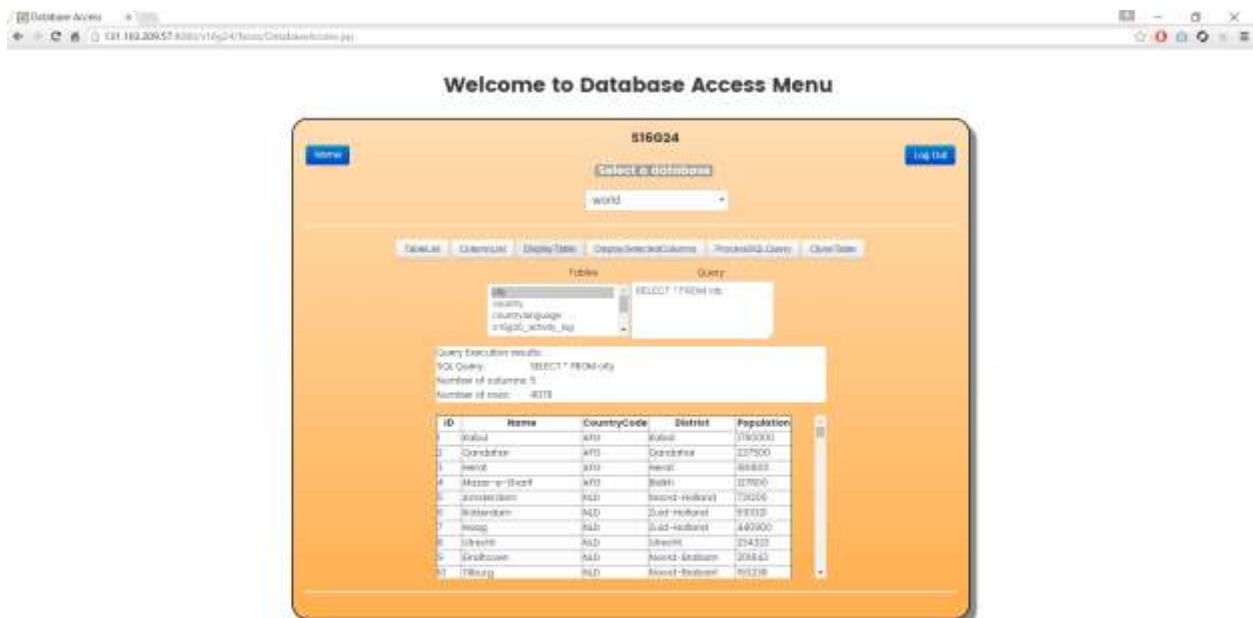


Users can select columns of their choice and click on display selected columns to view those specific columns.

IDS 517 Project Group S16G24



Selecting one of the populated tables and clicking on 'Display Table' will retrieve all the rows in the selected table and also query execution results.



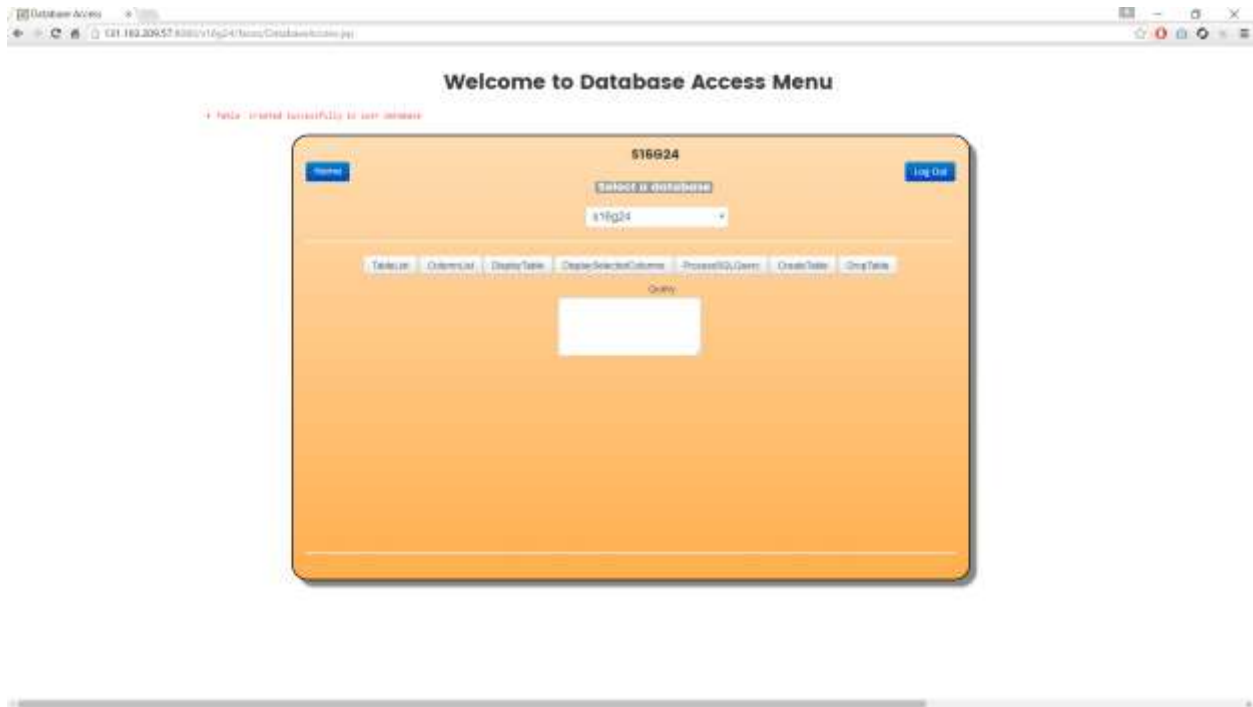
IDS 517 Project Group S16G24

Users have the ability to enter a custom SQL query and process it to view the results. Below two screens will illustrate that feature.



IDS 517 Project Group S16G24

User can select a table from the list and click on clone table to copy it to the user database.



IDS 517 Project Group S16G24



You can see that city table is cloned to the user database in the below screen.



IDS 517 Project Group S16G24

Data Analysis



On selecting the 'Data Analysis' button, the above would be displayed to the user with options to generate descriptive statistics or regression analysis or charts for the respective tables.

IDS 517 Project Group S16G24

The screenshot shows a web application titled "Welcome to Database Analysis Menu". It features a central orange box with the following elements:

- A "Home" button on the top left and a "Log Out" button on the top right.
- A "Select a Database" dropdown menu with "world" selected.
- Three tabs: "Descriptive Statistics" (active), "Regression Analysis", and "Charts".
- A text prompt: "Select Quantitative Variables only to get Descriptive statistics".
- A "Select Table" dropdown menu with "country" and "countrylanguage" options.
- A "Select Column" dropdown menu with "GDP(QUANTITATIVE)", "NAME(QUALITATIVE)", "CountryCode(QUALITATIVE)", and "Continent(QUALITATIVE)" options.
- A "Generate Descriptive Statistics" button at the bottom.

On selecting table, valid columns and clicking on 'Generate Descriptive Statistics' will generate Descriptive Statistics.

The screenshot shows the same web application, but now it displays a table of descriptive statistics for the selected table and columns. The table has the following structure:

Column	Minimum Value	Maximum Value	Mean	Variance	Standard Deviation	Median	First Quartile	Third Quartile	Inter-Quartile Range
GDP(QUANTITATIVE)	1.0	4074.0	2040.0	1388800.0	1177.99	2040.0	1020.0	3060.0	2040.0
Population(QUANTITATIVE)	42.0	1.06e7	358468.22	5.2085285774701	72375.71	87090.0	34761.0	310000.0	186237.0

IDS 517 Project Group S16G24



IDS 517 Project Group S16G24



On selecting table, valid columns and clicking on 'Generate Regression Analysis' will generate Descriptive Statistics.

[Logging out of the application](#)

Clicking on 'Logout' will end the user session and will be taken to another page with an appropriate message.

IDS 517 Project Group S16G24

