Fall 2015

WEBSTORE – USER and SETUP GUIDE

Version 1.0

CMIS 495

By: Group D

**University of Maryland University College**

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 1/21/2015 | 1.0 | User Guide | Group D |
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# 1. Introduction

## 1.1 Purpose

The objective of this document is to act as a user and setup guide for the IT staff and senior business managers.

## 1.2 Background

The WEBSTORE is used to assist management/employee of a web store with customer transactions, taxes, and inventory management. Additionally it will ease the overhead of managing different sets of customers. By developing software to automate many of these repetitive tasks, higher efficiencies can be achieved and the organization of tasks can increase revenue. This document and subsequent testing framework are used to assist in the development and efficiency of development to provide a software product to customers that provide this service.

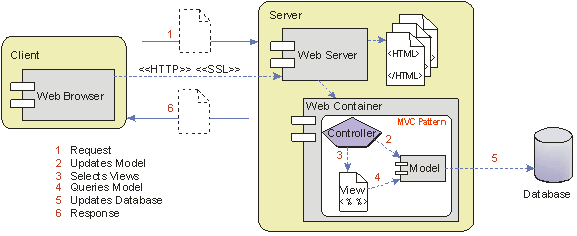
## 1.3 Scope

This User Guide is scoped to explain the setup and deployment of the WEBSTORE on a web server.

Other services in the system, such as data persistence and database configuration, are out of scope for this document since they will vary based on user preference.

## 1.4 Design Diagram

This is application is based on the client-server architecture. More specifically it is a model 2 architecture with Java Servlets. Even more specifically it is a web application design pattern where the one page passes data to the AdminServlet for Administrators and if it is a user then it is passed to the ControllerServlet, which in turn uses the beans to handle logic and then passes the response to the viewers the jsps that displays the information created and generated by a servlet.



The user requests the page index.jsp, the controller ControllerServlet.java checks the business logic and processes or doesn’t process the user input depending on the case. The process is identical for the AdminServlet.java. The user selects the admin index.jsp and the controller AdminServlet.java checks the business logic and processes or doesn’t process the admin input/request depending on the case. The servlets then have the bean/class the Java files located inside the entity package bean/class handle all logic pertaining to the creation of objects and retrieval of objects and uses the classes as the model, next the controller passes the information to one of the viewers (the jsps) it then dynamically creates the page content displays the information requested by the user to buy and for the administrator view, add, remove, or update, and then the page with the information requested is output or the confirmation of an event is output. User can click on icon/logo anytime and it will take them back to the index.jsp.

# 2. References

References for the software test specification include:

1. IEEE std. 829-1998 – IEEE Standard for Software Test Documentation
2. Software Requirements Specification (SRS) for WEBSTORE
3. Software Design Document (SDD) for WEBSTORE

# 3. Installation and Setup

The WEBSTORE is relatively light in comparison to other systems and is designed to be entirely platform independent. Since this software has limited requirements and interaction with other components, a simple environment is all that is needed to run the application and additional software.

### 3.1 Hardware

Any modern computer system should work. Since resource requirements are minimal the application could run on a computer, SoC, or ARM device with RAM (128MB or more useable) and physical storage (at least 500MB post-operating system install) that can accommodate the WEBSTORE software and stored data. The computer should also include a keyboard, display (not required), and mouse for optimal results testing/viewing the software during testing.

### 3.2 Software

The WEBSTORE is platform independent; therefore it can run on any system that can run Java (JVM) (Linux, Solaris, Unix, or Windows operating systems) and Glassfish Server. Since Java is the foundation of the application/software it is expected that the computer(s) provided for testing are running an operating system that supports Java (JVM). In addition, the WEBSTORE should be deployed on the Glassfish server and verified for operability by accessing the WEBSTORE on a client computer.

### 3.3 Communications

The application will be communicating with any database of the customers liking and will populate the site based on tables found in the Category and product tables.

### 3.4 Setup Procedures on Test Platform

1. Extract file WebStore from zip.

2. Open Netbeans

3. Go to “File”,

4. Click on “Open Project”

5. Navigate to “WebStore”

6. Click “Open Project”

7. Next Open Oracle Data Modeler

9. Click the “+” symbol or the “New Connection.

10. Then for the following field enter the below data

Connection Name: user defined

Username:username

Password: password

11. Then enter the following information below Oracle

Connection type:basic

Role: default

Hostname: nova.umuc.edu

Port: 1521

SID: acad

12. Click the “Connect” button

13. Go to “File”

14. Click “Open”

15. Navigate to the “final.sql” in the extracted folder from the zip file

15. Click “Run Script”

16. Go to “File”

17. Click “Open”

18. Navigate to the “category.sql” in the extracted folder from the zip file

19. Click “Run Script”

20. Go to “File”

21. Click “Open”

22. Navigate to the “products.sql” in the extracted folder from the zip file

23. Click “Run Script”

24. Go to Netbeans and navigate to the index file.

25. Right click index.jsp and run or type <http://localhost:8080/WebStore/index.jsp> in the browser address bar.

26. Page should open.

Next try the Admin page, this is somewhat obscured for a reason.

28. Go to admin folder, Right click index.jsp and run or type <http://localhost:8080/WebStore/index.jsp> in the browser address bar.

29. Click on “add new products” link.

30. Try to add a new product, if successful then continue testing and all is good, if not.

31. Go to Oracle DataModeler

32. Connect to database

33. Go to “File”

34. Click “Open”

35. Navigate to the “after.sql” in the extracted folder from the zip file

36. Click “Run Script”

### 3.5 Setup Procedures on Production Server

1. Extract file WebStore from zip.

2. <http://localhost:4848/common/index.jsf>

3. Go to Applications

4. Click Deploy

5. Click “**Local Packaged File or Directory That Is Accessible from GlassFish Server”**

6. Browse to WebStore folder

7. Find file dist

8. Select WebStore.war

9. Click okay

10. Type <http://localhost:8080/WebStore/index.jsp> in the browser address bar.

11. Page should open.

Next try the Admin page, this is somewhat obscured for a reason.

12. Go to admin folder and type http://localhost:8080/WebStore/admin/index.jsp in the browser address bar.

13. Click on “add new products” link.

14. Try to add a new product, if successful then continue testing and all is good, if not.

15. Go to Oracle DataModeler

16. Connect to database