Spring 2015

WEBSTORE – USER and SETUP GUIDE

Version 1.0

CMIS 495

Group D

**University of Maryland University College**

Revision History

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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 WEBSTORE.

## 1.2 Background

The WEBSTORE is used to assist the management/employees of a brick-and-mortar 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 can increase revenue by developing an online presence. This document and subsequent testing framework are used to assist in the development of a quality software product that provides this service.

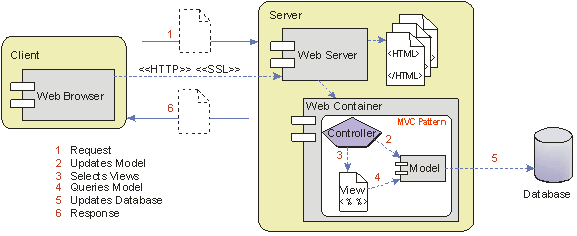
## 1.3 Scope

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

This WEBSTORE utilizes a client/server architecture, specifically a model 2 architecture implemented using Java Servlets. The application is designed so that one page passes data to the AdminServlet for Administrators. If it is a user, then it is passed to the ControllerServlet, which in turn uses beans to handle logic and then passes the response to the viewers, which are Java Server Pages that display the information created and generated by a servlet.



1. 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.
2. 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
3. The servlets 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
4. The controller passes the information to one of the viewers, then dynamically creates the page content and displays the information requested by the user
5. If applicable, the user will modify the page, then the page with the information requested is output or the confirmation of an event is output

# 2. References

References for the user guide 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 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.

### 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, 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 communicate with the customer’s database and populate the site based on tables found in the Category and product tables.

### 3.4 Setup Procedures on Test Platform

1. Extract WebStore directory from provided zip

2. Open NetBeans

3. Go to “File”,

4. Click on “Open Project”

5. Navigate to the WebStore directory

6. Click “Open Project”

7. Open Oracle Data Modeler

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

10. For the following fields enter the below data:

Connection Name: user defined

Username:username

Password: password

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

26. Page should open

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

29. Click on “add new products” link

30. Add a new product. If successful, the WEBSTORE has been set up correctly.

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. Add a new product. If successful, the WEBSTORE has been set up correctly.

15. Go to Oracle DataModeler

16. Connect to database