**SDA6 LUND**

**GROUP3 FINAL PROJECT**

**GROCERY ONLINE SYSTEM**

**(Technical Document)**

**TABLE OF CONTENTS:**

Need to be filled

**AUTHOR:**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **VERSION** | **AUTHOR NAME** | **REVIEW** |
| Initial draft | 1.0 | Karthicka Raju | Veena Ramappa |
|  |  |  |  |
|  |  |  |  |

**1.1 - REQUIREMENT DETAILS:**

The importance of online grocery ordering system is growing up day by day, user needs a simple interface to order grocery items online, this project online grocery ordering system fulfils all the requirements of user and it provides an easy interface to navigate.

As this online application enables the end users to register to the system online, select the grocery items of their choice from the menu list, and order grocery items online.

**1.2 - Platform Specifications - Deployment**

**1.2.1 - SOFTWARE SPECIFICATION:**

|  |
| --- |
| JAVA 8 |
| ECLIPSE IDE |
| MYSQL DATABASE |
| JBOSS SERVER |

**1.2.2 - HARDWARE SPECIFICATION:**

**Need to be filled**

**1.3 - TECHNICAL REQUIREMENT:**

To implement Grocery Online System a java web application is developed based on MVC pattern (Model View Controller), where a POJO Model, Servlets, Controller and a JSP & HTML views developed to achieve the requirement.

**2 - SYSTEM ANALYSIS:**

**2.1 - FLOW DIAGRAM: MVC**

A screenshot of a cell phone

Description automatically generated

**2.2 - UML DIAGRAM:**

**![A screenshot of a cell phone

Description automatically generated]()**

**2.3 - CHEN DIAGRAM:**

**![A close up of a map

Description automatically generated]()**

**2.4 - LOGICAL DIAGRAM:**

Need to be created

**3 - TECHNICAL OVERVIEW:**

**3.1 - Packages created:**

Register

Login

1 - org.sda.model Product

Shopping Item

2 - org.sda.controller Controller

CartController

**3.2 - MODEL JAVA CLASS:**

**1 - Registration.java:**

[**FinalProject/src/org/sda/model/Registration.java**](file:///Users/karthickaraju/Desktop/FinalProject/src/org/sda/model/Registration.java)

**2 - Login.java:**

[**FinalProject/src/org/sda/model/LoginTest.java**](FinalProject/src/org/sda/model/LoginTest.java)

**3 - Product.java:**

[**FinalProject/src/org/sda/model/Product.java**](FinalProject/src/org/sda/model/Product.java)

**4 - ShoppingItem.java:**

[**FinalProject/src/org/sda/model/ShoppingItem.java**](FinalProject/src/org/sda/model/ShoppingItem.java)

**3.3 - CONTROLLER JAVA CLASS:**

**1 - Controller.java:**

[**FinalProject/src/org/sda/controller/Controller.java**](file:///Users/karthickaraju/Desktop/FinalProject/src/org/sda/controller/Controller.java)

**2 - CartController.java:**

[**FinalProject/src/org/sda/controller/cartController.java**](FinalProject/src/org/sda/controller/cartController.java)

**3.4 - JSP CLASS:**

* JSP known as Java Server Pages is a Java technology that helps software developers serve dynamically generated web pages based on HTML, XML, or other document types.
* JSP was released in 1999 as Sun's answer to ASP and PHP;
* A Web developer, working independently, can use Java code and other JSP specific tags to code the business logic.
* Java is known for its characteristic of "write once, run anywhere".  JSP pages are platform independent. You can port your .jsp pages to any platform.

**1 -** [**FinalProject/WebContent/HomePage.jsp**](FinalProject/WebContent/HomePage.jsp)

**2 -** [**FinalProject/WebContent/BrowseCatalog.jsp**](FinalProject/WebContent/BrowseCatalog.jsp)

**3.5 - HTML CLASS:**

* HTML was used to design and formulate the layout of the Web page.
* HTML known as HyperText Markup Language is a markup language used to construct online documents. HTML is the foundation of most websites today. AS a markup language, HTML allows us to:
* create links to other documents,
* structure the content in our document, and
* ascribe context and meaning to the content of our document.
* An HTML document contains structured information (Markup), and text-links (HyperText) to other documents. We structured our pages using [HTML elements](https://guide.freecodecamp.org/html). They are constructs of the language providing [structure](https://guide.freecodecamp.org/html) and [meaning](https://guide.freecodecamp.org/html) in our document for the browser and the element links to other documents across the internet.

**1 -** [**FinalProject/WebContent/Registration.html**](FinalProject/WebContent/Registration.html)