eShopping

Group\_Name

Group Members:

Name1(Team Lead)

Name2

Name3

Name4

Name5

Name6

**Description:**

The Web site will consist of two types of components, which are:

1. The customer interface component or the user component.
2. The administrator component.

Customers of eshopping, Inc. will be able to engage with the company online and make purchases thanks to the customer interface component. The system administrator at eShopping, Inc. will be assisted by the administrator component in adding new categories or products to the product catalog, monitoring billing, and resolving security issues. Additionally, the website must offer security tools like user authentication and password encryption.

Customers visiting the eshopping, Inc. Web site will use the **customer interface component** to:

1. Get themselves registered at the eshopping, Inc. Web site.

2. Get authenticated using username and password.

3. Contact eshopping, Inc. for any specific query, comments, or feedback.

4. Browse through different department (i.e., Women, Men, and Kids), categories (such as Shirts, Activeware, Jeans, Swimware, Pants, etc.), sub-categories (such as Polo shirts, Dress shirts, Causal shirts, etc.) and items that are available at the eshopping, Inc. fashion store. Items information includes ID, brand, price, size, description.

5. Search for any particular item or brand.

6. Create and modify their shopping carts.

7. Order items that they wish to buy.

8. View some information about different items.

9. Choose the mode of payment when they are ordering items.

The system administrator at eshopping, Inc. will use the **administrator component** to:

1. Update the database from time to time.

2. Add new products, categories, or sub-categories to the product catalog.

3. After the customer has confirmed the order, the billing information will be validated and an e-mail is sent to the administrator and the customer confirming the order.

**Technical Details:**

**Languages:** Python.

**Web Framework:** Django with Python.

**Web Technologies:** HTML5, CSS5, Javascript.

**Databases:** MySQL.

**Environment:** Windows operating System and local host for developing.

**Connections:** Python ‘Mysql-connector’ (To connect database to the application).

**Repository:** GitHub.

**Risks:**

1. **Code Issues:** Code of poor quality is a serious risk in software development. Due to hurried effort, among other reasons, projects may have subpar code.

We do the following tasks to avoid this risk:

* Testing the code often for each feature we develop.
* Resolve the errors when they occur.
* We try and use the best coding standards.

1. **Deadlines:** The Deadlines for performing the tasks is the main risk as this is the task which will be viewed by the graders and professor.

As suggested in the document we use **KanBan** Board to keep track of all the activities which each team member is building and the team lead will suggest additional suggestions to team members if the deadlines are approaching and achieve the work or the project be completed intime.

1. **Requirements changes:** By the time progress and we start the work, few requirements can be changed which is a great risk. The requirement may change due to technology constraints like the language which we are using may not support few features or it might be difficult to achieve the old requirement so the requirement may change after the project started.

We try to achieve the requirement in maximum possible ways and try to avoid the requirement change once the project started and only change the requirement if the old task is not achievable with the technology we are using.

**Roles:**

**Name1(Team Lead):** Will be responsible for updating the kanBan board and keep the project on track and make sure the team member is achieving his task to be done and help the team members if they are facing any difficulty in achieving the task. Also will be responsible for managing the repository in the github and updating from time to time.

**Name2:** Will be responsible for front-End to develop the UI Pages(Admin Component) for the user to view the Admin side of project. Admin tasks are described above. Technologies involved are HTML5, CSS5 and Javascript.

**Name4:** Will be responsible for front-End to develop the UI Pages(User Component) for the user to view the Admin side of project. User tasks are described above. Technologies involved are HTML5, CSS5 and Javascript.

**Name5:** Will be responsible for the backend code which involve admin side component and the Admin tasks are detailed above. Technologies involved are Django with Python and MySQL.

**Name6:** Will be responsible for the backend code which involve User side component and User tasks are detailed above. Technologies involved are Django with Python and MySQL.