1. **Introduction**

* 1. **Purpose of the System**

E-commerce project is a sales site. The main goal of E-commerce is to sell the products of the distributor. It is a platform for costumers and distributors to be together. The customer can choose the appropriate one by filtering the products.

* 1. **Scope of the System**

As we have mentioned at purpose of the site, e-commerce is a sales site and its two main targets are sell products and buy products. The distributor is approved by admin at registration process.

At this sales sites, costumer can inspect products, can filter products and if the product is out of stock, customer can buy it. Costumer can add product in their basket. Customers and distributors can edit their profile. Distributors can offer their products for sale. They can add their products to the system , but They can't do that without an admin approval. When distributors want to add a product, they enter product information(name,brand,discount and such) and the product goes to admin approval. If the product is approved, it is offered for sale.

In this system, admin can products in the system for sale. No approval is required for this operation. Admin gives the approval of users who want to register to the system. If the user does not fit the system, admin will reject to register. Likewise, he/she approves or rejects the products. Admin approves or rejects distributor profile edits.

* 1. **Objectives and Success Criteria of the Project**

- To provide reliable, efficient, lossless data.

- Well association between platform and database design.

- The general design of system in order to have fast, efficient application.

- The system has implementations that are understandable, clear and efficient.

- The system should be used by the people who are related with the application.

- The system should guarantee every user’s protection of information of their data.

* 1. **Definitions, Acronyms, and Abbreviations**

- View is a visual representation of a model.

- GUI is graphical user interface.

- DB is short version of database term.

- Distributor is an actor an this sales site and approved by admin.

- Customer and visitor are an actor in a system.

* 1. **Overview**

- Rest of the RAD contains non-functional (includes usability, reliability, performance, supportability, implementation, interface, operational, packaging, and legal requirements) and functional requirements (includes high-level functionality of the system).

- System models are given. Scenarios are inside of system model section. Scenarios are telling us about details of functional requirements. Use case models, object model, dynamic model and user interface view (mockup) are the parts of system model section.

**Nunfunctional Requirements**

**Usability**

Website should be easily available for all users. The admin panel must also be available on phone. The home page must be the same for all users. Each page must have the same body structure. Actors’ pages should be understandable.

**Reliability**

All members must have secure access to the website. Visitors should not do anything. Logging to the website should be provided with unique e-mails and passwords that are appropriate for password criteria.

**Performance**

Website should be shown in mobile phones,computers and tablets. Application should be running in more than one device simultaneously and access should be guaranteed. The website is going to be a dynamic content, so there should not be complicated queries in back end to not decrease performance.

**Supportability**

The system should be managed by admin. Developer will be responsible to provide continuance, compatibility and testability for the created program.

**Implementation**

Design of database will be implemented by using SQLite3

Django 2.1 which is a framework will be used both client and server side.

**Interface**

The system should not interact with any existing system. The system should be able to be used by a user. The user should be connected to the network to use the features of the system.

**Packaging**

Admin should install the system. Also, the system is an application so the websiteshould be uploaded on the server. All steps as a package are given within GitHub.

**Legal**

Project’s all contents are protected by the law of copyright.

**Glossary**

* **Admin :** Actor of e-commerce website
* **Distributor:** Actor of e-commerce website
* **Customer:** Actor of e-commerce website
* **GitHub:** A web-based hosting service, mostly used for computer code.
* **Django:** A framework for web design, developed by Python.
* **Feedback:** The answer of the system for the operation.
* **Framework:** An abstraction of software functionality.
* **Database:** The collection of large data set/stack.
* **Python:** It is a modern programming language.
* **SQLite3:** A compact free database that can easily be used to create and use a database.
* **Template:** A guide of making patterns.

**References**

This subsection should:

•Provide a complete list of all documents referenced elsewhere in the RAD, or in a separate, specified document.

•Identify each document by title, report number - if applicable - date, and publishing organization.

•Specify the sources from which the references can be obtained.

The following is an example of listing a book in this section. Check the text to see how it is cross referenced (The whole document is based on [1]).

* Bruegge B. & Dutoit A.H.. (2010). *Object-Oriented Software Engineering Using UML, Patterns, and Java*, Prentice Hall, 3rd ed.