

# Software Requirements Specification

## for Albania Market

### Revision History

Name	Date	Version
Albania Market	24/06/2021	0.0.1 Alpha(Starting Day)
Albania Market	01/07/2021	0.1 Alpha
Albania Market	08/07/2021	0.11 Alpha
Albania Market	15/07/2021	0.12 Alpha
Albania Market	22/07/2021	1.0.0

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# 1. Introduction

## 1.1 Purpose

The purpose of this document is to present a detailed description of the e-commerce web application Albania Market. It will explain the purpose and features of the project, the interfaces of the project, what the project will do and the constraints under which it must operate. This document is intended for users of the project and also potential developers.

## 1.2 Document Conventions

This document was created based on the IEEE template for System Requirement Specification Documents, and the Internet Official Protocol Standards defined by W3.

## 1.3 Intended Audience and Reading Suggestions

The Client, such as the product owner, who will be operating and possibly maintaining the project.

Programmers who are interested in working on the project by further developing it or to fix existing bugs.

## 1.4 Product Scope

Albania Market is an e-commerce web application that people can use to buy products based on their preferences. The main objective behind this project is to build an e-commerce web application that handles both sides, client and admin using MERN stack.

The products will be organized into categories. The user will have the possibility to search for any products via a searchbar or to filter the products based on some criteria such as: default, date, low to high price and high to low price.

If you are logged in as an admin a button will show up in the navbar which gives control on products, users and orders.

The admin can control the products, to add products or to edit their specifications. He can also manage the user and orders.

## 1.5 References

IEEE Template for System Requirement Specification Documents:

<https://goo.gl/nsUFwy>

GNU General Public License version 2:

<https://www.gnu.org/licenses/old-licenses/gpl-2.0.en.html>

Hypertext Transfer Protocol -- HTTP/1.1:  
<https://www.w3.org/Protocols/rfc2616/rfc2616.html>

## **2. Overall Description**

### **2.1 Product Perspective**

It is true that technology has become an essential tool for online marketing nowadays and e-commerce web applications are becoming more and more popular. Albania Market web application is being developed for everyone who is interested in online marketing.

We provide an opportunity to everyone to buy on our platform everything they want.

Several businesses will be registered on our platform to offer products to our clients.

Moreover, our platform will help customers to choose a wide range of products, prices and they can compare them to each other easily.

The Albania Market project has an active developer team to support it. It was developed to run on any platform that can support a modern browser.

### **2.2 Product Functions**

- Admin role
- Credit Card Payment
- Products Rating
- Sorting Products by several criteria

### **2.3 User Classes and Characteristics**

Typical Users, such as local sellers and Albanian people, who want to sell and buy several products via the Albania Market platform.

Admins, whose job is to monitor the platform and to make sure that everything it is going perfectly.

Programmers who are interested in working on the project by further developing it or to fix existing bugs.

## 2.4 Operating Environment

- Chrome 37 and newer
- Safari 7 and newer
- Firefox 32 and newer
- Opera 24 and newer

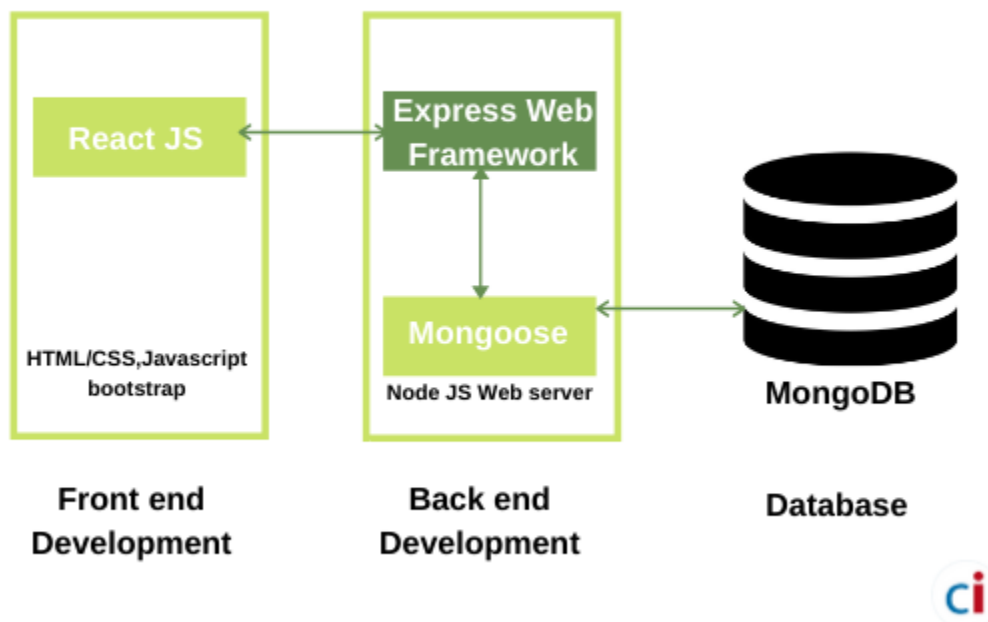
## 2.5 Design and Implementation Constraints

Albania Market will be developed in the MERN stack. More specifically it will use: ReactJS(FrontEnd-User Interface), Node.js(Web Server Logic), ExpressJS(Middleware for Node.js) and MongoDB(Database layer).

Below is the architecture of MERN

This project will be splitted into sprints:

1. Creation of Database which will be created on MongoDB
2. Creation of Landing Page
3. Creating main screens such as: About, Contact Us, Sign In Screen, Register Screen, Cart Screen, Search, Filter etc.
4. Creation of backend



## **2.6 User Documentation**

Tutorials will soon be available shortly on our webpage.

## **2.7 Assumptions and Dependencies**

Albania Market will be written in JavaScript and therefore any \*modern Will suffice in accessing the project.

\*any browser newer than IE9 is considered 'modern',

# **3. External Interface Requirements**

## **3.1 Hardware Interfaces**

Any computer that can fully run a modern browser is sufficient.

## **3.2 Software Interfaces**

Any modern browser will be sufficient.

## **3.3 Communication Interfaces**

Albania Market will be using HTTP protocols, JSON data-interchange between the API and client-side view, and JWT authentication.

# **4. System Features**

This section demonstrates Albania Market's most important features and explains the results they will give back to the user.

## **4.1 Payment via Credit Card**

After having finished selecting the products the users will have the possibility to pay via credit card and everything here will be totally safe.

## **4.2 Products Rating**

Most the products in our platform will have an overall rating which will be based on users's rating during the time. This feature will help the users to have a better idea of the product quality and what several people think about.

# **5. Other Nonfunctional Requirements**

## **5.1 Performance Requirements**

Albania Market should be accessed through a browser with basic requirements like an Intel Pentium 4 processor or later that's SSE2 capable and 256 megabytes of RAM.

It is possible that Albania Market can be accessed with less than minimum requirements. In such cases the development team will not provide support if the product does not function as advertised.

## **5.2 Safety Requirements**

To ensure that no one of Albania Market's users loses any data while using Albania Market(due to a crash or a bug of some kind) the developer team will be updating Albania Market regularly.

## **5.3 Security Requirements**

Albania Market does not have any security requirements and thus any type of user can use it without any additional privileges.

## **5.4 Software Quality Attributes**

Albania Market provides the users with both simple and advanced features. Due to it's simple interface, it can be used by both experts and typical users.