# Requirements and Specifications

**Project Title:** CandleVerse

**User Categories:**
This project handles to two distinct user categories: **administrators and clients**.

**Project Overview:**
The project's primary objective is to establish an **online candle shop** with an organized structure. To accomplish this, I intend to create a dedicated admin panel. This panel will enable the administrator to perform actions such as adding, deleting, or editing products and product categories, reviewing orders, and accessing a business progress dashboard. The dashboard will provide insights into the daily, weekly, and monthly revenue generated by the business. The admin panel will consist of five main pages: "Dashboard", "Products", "Categories", "Orders", "Admins".

The main administrator's authentication will be managed using NextAuth.js, with Google as the chosen provider, and it will be securely stored in the database. Only the main administrator will possess the authority to add other administrators to the system, via "Admins" page.

For the client's experience, upon visiting the online shop, they will be directed to the landing page. The landing page will display some of the selected products, including a featured product and new arrivals. The candles will be sorted on categories – perfume, seasons, etc.

Clients will have the ability to search for specific candles. Each product will be accompanied by an image, name, and price. Upon clicking a product, customers will gain access to more comprehensive product details and the option to add it to their shopping cart.

The website's upper section will feature navigation buttons to facilitate easy access to various pages, including "Home," "All Products," "Categories," "Account," and "Cart." On the cart page, customers will be able to initiate the ordering process. Furthermore, clients will have the option to add products to their wishlist and provide product reviews, enhancing their overall shopping experience.

**Required Technologies and Frameworks:**
Front-End Framework: **Next.js**
Programming Languages: **JavaScript**
Styling: **CSS, TailwindCSS**
Authentication and Authorization: **NextAuth.js**
Database: **MongoDB**
Deployment and Hosting: **Vercel**
Cloud storage: **AWS Amazon, Google Console Cloud**

**Database structure**

The databse is made in **MongoDB** and it contains the collections: accounts, addresses, admins, categories, orders, products, reviews, sessions, users, wishedproducts.

Some examples from the database:

*Products:* _id, title, description, price, image, categories, properties, createdAt, updatedAt

*Accounts:* _id, provider, type, acces_token, expires_at scope, token_type, id_token, userId

*Orders:* _id, userEmail, line_items, name, email, city, postalCode, streetAddress, country, paid, createdAt, updatedAt

*Users:* _id, name, email, image, emailVerified