**Requirements Analysis**

• **What problem we are trying to solve ?**

create an online platform where customers can browse, select, and purchase products. The platform should be user-friendly, secure, and efficient.

**Functional Specification**

**• How the system will behave**

* register, log in, and manage their profiles.
* browse products by category, search for specific products, and view product details.
* add products to a shopping cart, modify the cart, and checkout.
* [support multiple payment methods such as credit cards, checks, and other related payment options](https://www.studocu.com/row/document/assiut-university/software-engineering/e-commerce-srs-system-specification-requirements/43814859).
* provide order confirmation and shipping status updates to the customers.
* [allow customers to provide feedback about the product or service they have purchased](https://www.studocu.com/row/document/assiut-university/software-engineering/e-commerce-srs-system-specification-requirements/43814859).

**External Interface Specification**

**• User Interface**

the website should have a clean, intuitive, and responsive design that works on various devices and screen sizes.-React

• **Communication Protocols**

The Customer must connect to the Internet to access the website,https

**• Hardware Interfaces**

The system should be compatible with various devices like desktops, laptops, tablets, and smartphones. Operating system,RAM, Hard disk

**• Database backend**

The system should use a robust database system to store and manage user data, product data, and transaction data.MongoDB

**Technical Specification**

**• Performance constraints**

 should be able to handle high traffic and load times should be minimal(<3s).

• **Memory/OS/hardware**

optimized for memory usage and compatible with various operating systems and hardware configurations