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| **Prototyping** | |
| Hasan Alhwietat | Section number: 2 |

# **Requirements Lab**

Business requirements

What are your goals?

The goal is to provide an application that makes it easier for customers to meet their needs and requirements, simplify ordering processes, increase sales, improve user experience, reduce costs, increase production, and make the application reliable for individuals and companies.

What are your objectives?

1- Protect employee and customer data

2- Increasing the productivity of companies and employees

3- Reducing the waste of working hours searching for needs

4- Increasing the company's profits by making things easy in the purchasing process

5- Ensure that the application is safe and reliable

6- Make marketing plans to increase sales

What are your needs?

1- Developers with experience in building applications

2- Storage places for products

3- Providing reliable and secure payment methods to facilitate purchases

4- Develop a robust infrastructure to ensure scalability such as the cloud

5- Taking notes from users, improving user experience, and adding new features

User requirements

Who are your stakeholders?

Stakeholders: Individuals or groups of people who affect or are affected by the project are referred to as stakeholders. Thus, in our project, we have various types of stakeholders, such as:

1. Customers: They are the people who will order products from the application, and the application will help provide their needs
2. Employees: They are the most important people in the interest because they will provide the products they have for the application and prepare customer requests and their opinion is important for the project, and the project must do what they need to facilitate the process for them.
3. Governments: (Project licenses) The Ministry of Labor and commerce will influence the project through its approval and rules.
4. Employees: The employees of the company have important decisions as the project manager, full stack developers, UI & UX designer, and quality assurance, anyone decision of them will affect the project.
5. Investors: They help support the application financially in order to generate profits.

What are your Stakeholders expecting?

System requirements

What are your Functional requirements?

1- Login: The Application shall allow users to log into their accounts using their username and password to access the features and services of the Application.

2- Create an account: The application allows the creation of an account for customers based on the users' choice, each with its own information

3- Forgetting the password: The password can be changed via email for verification

4- The customer will request the tools he needs through the application and add the products to the shopping cart, and then the request will be sent so that you will be contacted upon completion of the order to deliver it

5- Payment methods: The payment method is either cash or visa through the application

6- Evaluation: The customer can view the evaluation he receives from the application

8- In case of any problem, the customer can communicate with the company through the messages in the application

What are your non-functional requirements?

1. Reliability:

The application must be reliable, which means that all data within the application has a great responsibility, and it must perform all functions accurately and deal with a large number of users.

1. Vailability:

The application must provide users with services that they can rely on in their needs, and the application must be available throughout the daily working hour from 8 am to 6 pm, and inform users in advance in the event of malfunctions or maintenance, and avoid doing so during peak hours.

1. Security:

The application must be secure as it handles sensitive data such as payment information etc. Strong encryption protocols should be used to protect user data and strong authentication mechanisms should be implemented to prevent unauthorized access.

4) Maintainability:

Important To ensure the continuity of the application, it must be easy to maintain and the ability to update and develop

5) Portability:

The app has to be portable, which means it has to be able to run across different platforms and devices seamlessly and work on both iOS and Android platforms, and it has to be compatible with different screen sizes and resolutions and networks