



## **IT313 - Software Engineering**

### **Warehouse Management System**

### **Group No. 5**

### **Non-Functional Testing**

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## Non-Functional Testing

Non-functional testing for the Warehouse Management Project focuses on evaluating aspects of the system that are not directly related to specific functionalities but are critical for its overall performance, reliability, and user experience.

This testing approach checks parameters such as system responsiveness, scalability, security measures, usability, and resilience under varied conditions. By examining these non-functional attributes, the testing process aims to fortify the system's robustness and optimise its capabilities to meet or exceed user expectations.

### Non-functional requirements-

- 1. Performance:** The system should respond quickly to user queries and load data efficiently.
- 2. Reliability:** Ensure high uptime and data reliability to avoid disruptions in crop storage and retrieval.
- 3. Scalability:** The system should be able to accommodate more users and warehouses as the platform grows.
- 4. Usability:** The user interface should be intuitive and user-friendly for both farmers and warehouse owners.
- 5. Mobile Accessibility:** Ensure that the system is accessible and user-friendly on mobile devices.

### Objectives-

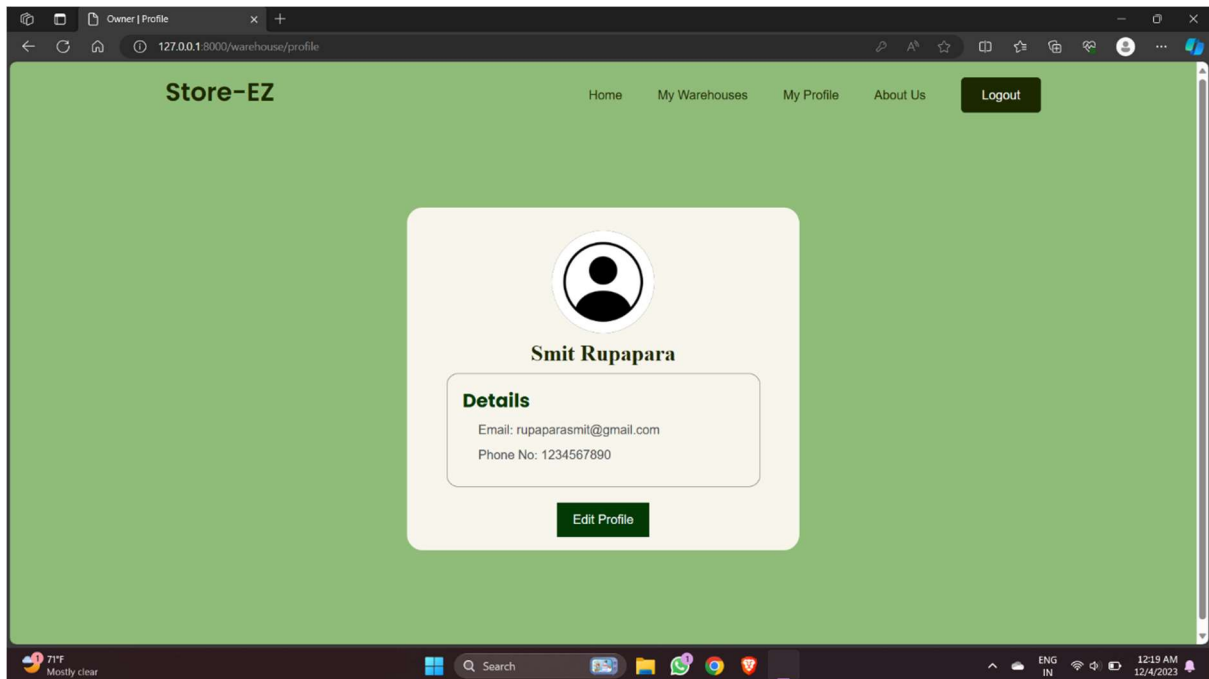
1. Non-Functional Testing enhances the configuration, execution, management, and app/website monitoring.
2. It enhances the usability, effectiveness, maintainability, and portability of the app/website.
3. It also helps in improving the user experience.

**Usability Testing:** This type of testing evaluates how easy it is to use the software system, including its interface and design. It includes testing for user experience, accessibility, and internationalization.

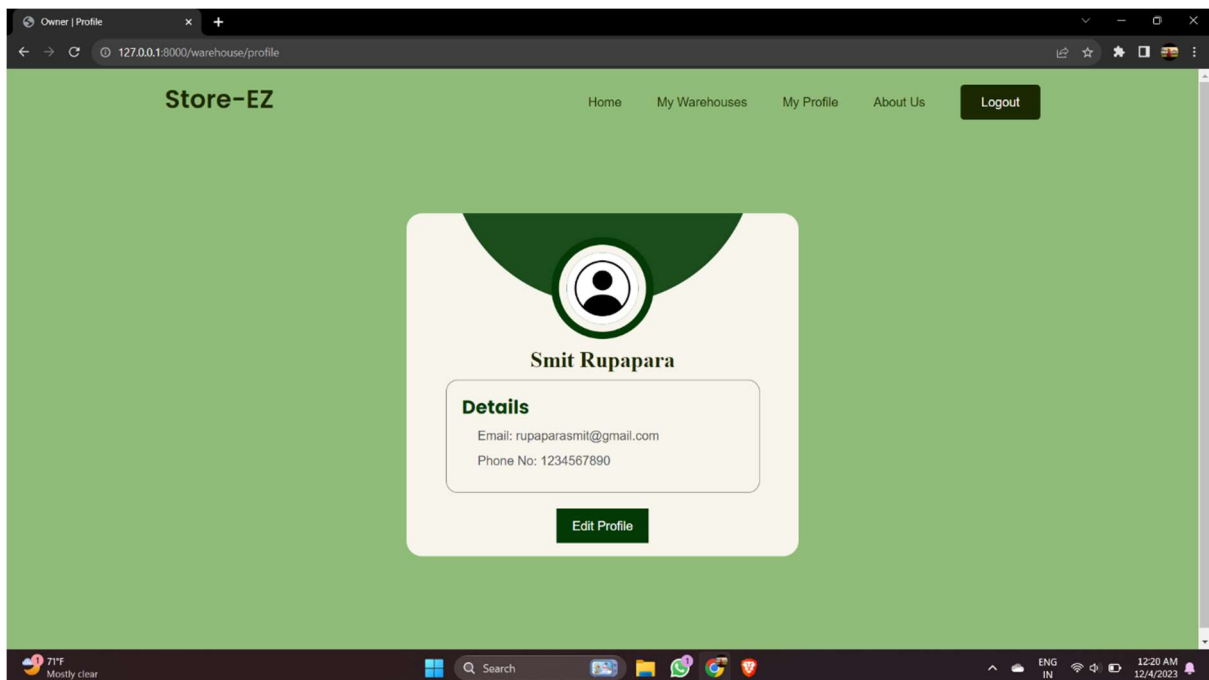
And as you can see in GUI testing and acceptance testing our website is easy to use cause of the good interface.

**Compatibility Check:** We have ensured that the portal runs on all the latest web browsers including Edge, Chrome, and Firefox.

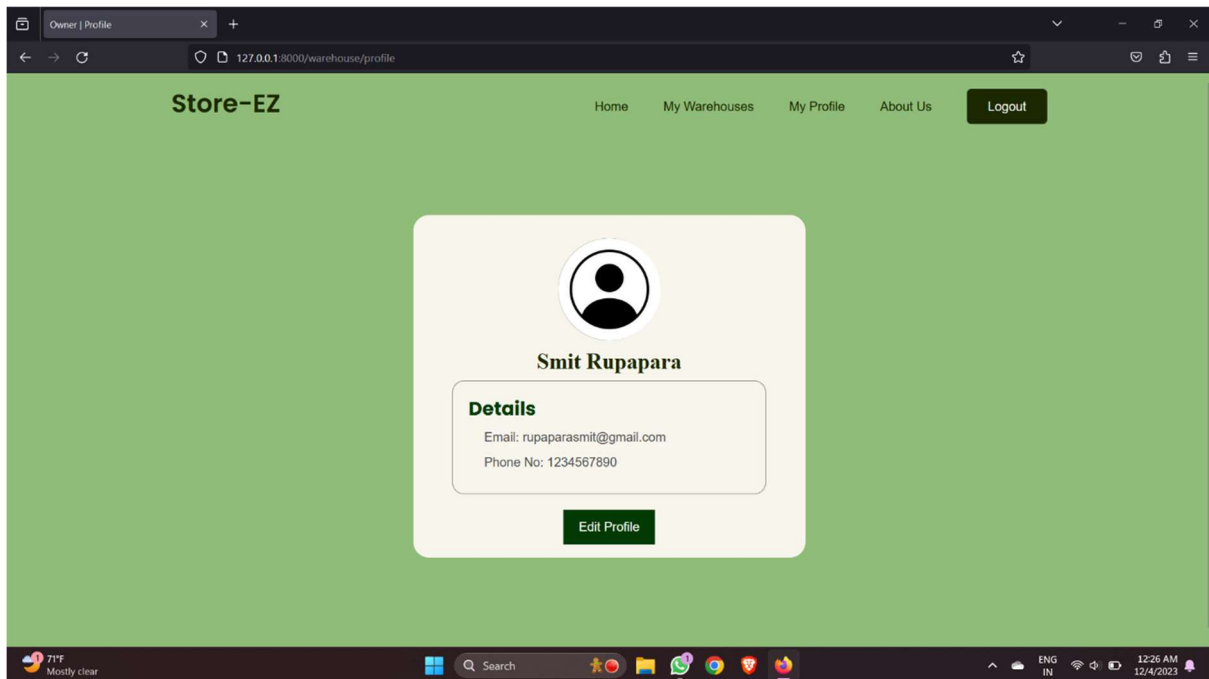
## Microsoft Edge:



## Chrome:



## Firefox:



**Note:** We have not done other type of non-functional testing like Security testing, Performance testing and Reliability testing as they are out of the scope and were not covered.