

Introduction:

In this course, CSC 445 Software Engineering we were instructed to write 10 functional and 5 nonfunctional requirements of a software. I have chosen Online Shopping system as the project. The name of the project is “Online Smart Phone Store”. Where consumers can directly buy Smart Phone from a seller over the Internet using a web browser.

Functional requirements:

1. Keeping records of all customers' signup information.
2. Keeping the records of all products.
3. Keeping the daily sells details.
4. Storing the feedback given by the customer.
5. Keeping details about the products it is delivered or not.
6. Storing the items selected by the customer in temporary storage.
7. The user shall be able search product.
8. For every order there will be a unique order id.
9. There will be an option for payment which supports different payments system (Ex: Debit card/Credit card, Bkash etc.)
10. Customer can check the product is available or not.

Nonfunctional Requirements:

USER INTERFACE: System should provide an user friendly interface. So that, users enjoy using the system.

EFFICIENCY: At least 20 percent of the processor capacity and storage space available to the system shall be unused at peak load seasonal periods. The initial system shall be able to handle the entry of orders by customers at a minimum rate of 10 per second.

AVAILABILITY: The Online Payment System shall be available for use between the hours of 6:00 a.m. and 11:00 p.m. unless the system is non-operational, the system shall present a user with notification informing them that the system is unavailable.

PERFORMANCE: The system must wait for all user inputs, and execute only the Necessary functions given a user input to the system. All functions shall be Completed quickly (within 1 second maximum).

PRIVACY: All the individual user data must has to be protected from other users Access. The system has to provide proper authentication methods.