

Secure E-Commerce (CSCE 5560) Project Plan

Team Assignments:

Harshith Rapala	Works on security and payment.
Venkata Sai Bhargava Reddy, Cheruku	Works on design and testing.
Dhaman Kumar Kakke	Works on development of Security (Project Manager).
Ravi Teja Sankuratri	Works on database and design (user interface).
Sai Krishna Abburi	Works on payment system and testing.

Milestones:

Tasks	Description
Design phase	It belongs to the front end of the application. In this we develop the interface of the application.
Payment phase	It belongs to the front end of the application. In this we manage or accept payments mostly through like PayPal, etc.
Data base	It belongs to the back end of the application. In this we store the data and manage all the incoming product data and retrieve any required information.
Security Phase	It belongs to the back end of the application. In this we provide security for the site and hide the private information of the customer.

Testing phase	In this phase we will be testing all our phases how it works by overcoming errors and improving.
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Potential Issues (Especially Security):

- The main issue we face in a e commerce website is guessing the login details of the customer i.e. password.
By using strong password which have upper case, lower case, special character we can overcome the issue.
- If the website does not have frequent checking it might lead to problem as there might be crashes in database or server issues.
We can resolve this by testing the site frequently which involves testing of database and keeping it updated.
- The most common threat we face is the injection attack where it attacks the data in web applications.
We can overcome this with input validation techniques and robust coding.

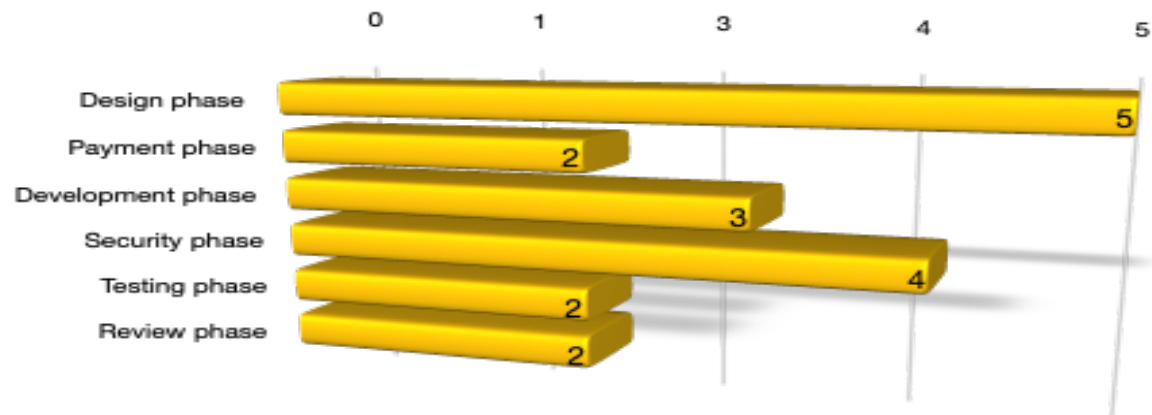
What makes us better?

- We provide forms for our customers and check it regularly to find whether there are any crashes, or any inconveniences faced by the customer and try to resolve it as soon as possible. It keeps us updated with the issues.
- Our site cannot be accessed if the customer doesn't have a strong password which makes it better place for security.
- We backup the customer details and all the website files time to time .

Brief details of our product:

Our website name is “**Shop at Denton**”. This website mainly focuses on daily needs of people like grocery and deliver them to people in this tough situation. we provide all grocery products and some other essential products through our website. The groceries will be categorized based on the products which will help people to find them easily.

Project Plan



■ Number of days ■

Table 1

	Number of days	DAY OF COMPLETION
Design phase	5	9TH OF APRIL 2020
Payment phase	2	11TH OF APRIL 2020
Development phase	3	14TH OF APRIL 2020
Security phase	4	18TH OF APRIL 2020
Testing phase	2	20TH OF APRIL 2020
Review phase	2	22ND OF APRIL 2020