**SECURETRONIC**

**Objective:-**

Securetronic is basically an Ecommerce Web Portal project which is mainly dealing with security and electronics related products. In this project we are going to utilize the responsive web design framework to make the web portal adaptable to all kind of devices right from the very small mobile devices to big computers. The Core development of the project will be on Spring MVC architecture.

**Abstract:-**

The core Idea of this project is to create an e-commerce portal for security product.in this website we are going to integrate all of the product categories related to security.

**Some of the categories that we are adding to this portal are:-**

1. CCTV Surveillance
2. Fire Alarm System
3. Burglar Alarm System
4. Biometrics Attendance Machine
5. Access Control System.
6. Intrusion Detection System.

**Functions:-**

Following are the Functionalities to be implemented

1. Administrator Panel to Manage Projects
2. Admin will be Able to Add and Delete Product.
3. Admin can Also Change the Details of Existing Product
4. User Panel Will be Available to Shopping.
5. Users can Register Themselves on Site and Shop.
6. Each will have A Shopping Cart Associated with it in which all of the Products He Has Selected for Purchase Will be displayed.
7. User can browse Through Different Categories and can Multiple Product to Its Cart.

**Technologies:-**

As Mentioned earlier we are going to Utilize following Technologies at Different Level to make the website Adaptive to all kind of Devices.

**Front End:-**

1. **BootStrap 3.3.7: -** Bootstrap framework will be used for All the User Interface Designing. As we all know that bootstrap is a mobile first framework it will make our website Responsive to all kind of mobile device. We are going to use col-sm and col-mid classes of 12 grid system of bootstrap to place our component in the container that manages whole flow.
2. **JQuery 3.1.1: -** as in Our Ecommerce Portal we have so many data element to be processed via JavaScript element so we are going to use JQuery which is fast small and feature rich library to maintain various element.
3. **Spring Web MVC 4.3.3: -** The Spring web MVC framework provides model-view-controller architecture and ready components that will be used to develop flexible and loosely coupled model of our ecommerce portal.

**Back End:-**

1. **Hibernate 5.2.3:-** Hibernate will be used as connection manager to The Database System It is a powerful, high performance object/relational persistence and query service, Which creates very efficient queries very consistently.
2. **H2 1.4.192:-** H2 is Java SQL Relational Database System. Its Browser Based Interface and Very Small Footprint make it easier to Use and Deploy for web applications.

**Build Tools:-**

1. **Maven: -** Maven is the Build tool that we are going to use. With its Web app Archetypes we are going to create a ecommerce project and all of the dependencies required by Our Project Will be Added to Maven build.

**Integrated Development Environment:-**

1. **Eclipse: -** We are going to use Eclipse as our IDE that is going to manage and iterated the different technologies that we are having.

**Futurescope:-**

In Future we are going to make category manager and inventory manager system to efficiently managing the product and available stocks.