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The Development of an E-Commerce Web Application using ASP.NET MVC Framework

Computing and Information Systems
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Aim

The project entails a fully functional and highly secured e-commerce web application which will be developed using ASP.NET MVC Framework. The project will escalate using the Software Development Life Cycle plan. Whose aim is to facilitate the production of high quality, cost effective e-commerce web based applications.

Software/ User Requirements

- Permit the user to make orders as well as select a delivery date before securely checking out.
- Items will be organised by categories in a well-structured database.
- A barcode reader will be implemented in order to keep track on the quantity of items and other relevant information.
- Allow the organisation to manage and control data throughout the website, securely and efficiently.

MVC Framework

MVC is a design pattern which interconnects the user interface to necessary data models. MVC is divided into three sections:

- **Model-** Retrieves and gathers information from a database.
- **View-** The user interface such as buttons and text boxes.
- **Controller-** Manages and reacts to the users input. Meaning it moderates code complexity signifying that it is unproblematic when altering code.

