



Senior Design Project

Implementation of a Multivendor E-commerce Website

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Professor

Department of Electrical and Computer Engineering

Fall, 2020

DECLARATION

This is to certify that this Project is our original work. No part of this work has been submitted elsewhere partially or fully for the award of any other degree or diploma. Any material reproduced in this project has been properly acknowledged.

Students' names & Signatures

1. Name: **Safwan Hossain Bokaul**

Safwan

2. Name: **Akiba Mehzaveen Mon**

Mon

3. Name: **Rakib Hasan**

Rakib

APPROVAL

We, Name: **Safwan Hossain Bokaul (ID-1610027042)**, Name: **Akiba Mehzaveen Mon (ID-1511938642)** and Name: **Rakib Hasan (ID-1611083043)**, members of CSE/EEE: 499 (Senior Design) from the Electrical and Computer Engineering department of **North South University**; have worked on the project titled **“Implementation of a Multivendor E-commerce Website”** under the supervision of Dr. K. M. A. Salam as a partial fulfillment of the requirement for the degree of Bachelors of Science in Computer Science & Engineering / Electrical & Electronic Engineering and has been accepted as satisfactory.

Supervisor’s Signature

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Chairman’s Signature

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ACKNOWLEDGEMENT

By mercy of the Almighty we have completed our senior design capstone project entitled “**Implementation of a Multivendor E-commerce Website**”.

Foremost, we would like to express our sincere gratitude to our advisor Dr. K. M. A. Salam for his continuous support in our capstone project progress throughout the whole 499A and 499B, for his patience, motivation, enthusiasm, and immense knowledge. His guidance helped us in all the time of research, writing and completing of this project.

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Abstract

Electronic commerce or e-commerce refers to a wide range of online business activities for products and services. E-commerce website is a vital platform nowadays for online businesses. In this era of internet e-commerce is growing at a high rate keeping the growth of online businesses. Still the proliferation of an e-commerce website in the under developed world is not that great and there is a lot to desire for. This report outlines different aspects of developing an e-commerce website and the optimal solution to the challenges involved in the developing one and also why we are developing a new e-commerce website because there exists some good e-commerce websites around us. The one thing will make an e-commerce platform effective when it will have some unique features in it and in this report you will be able to know about the unique features such as selling used products, exchange products, products on demand, delivery man option of the website clearly and the motivation and also the goals behind the work. The main advantage of an e-commerce platform over traditional commerce is the users can browse a great range of shops or products in online, compare prices and order merchandise sitting at home using their personal computer or mobile phone. The entire development is primarily divided into two parts- the front-end development and the back-end development. The database design is also discussed with an emphasis on its relational connectivity.