



# Developing an E-Commerce Website

---

Md Mahthiul Hasan Thanvi

UG02-47-18-025

September 23, 2021

State University Of Bangladesh

Department of Computer Science and Engineering

# ABSTRACT

- In this era of internet, e-commerce is growing by leaps and bounds keeping the growth of brick-and-mortar businesses in the dust.
- This paper outlines different aspects of developing an e commerce website and the optimum solution to the challenges involved in developing one.
- It consists of the planning process, determining the use case, domain modelling and pattern of the web application.
- The entire process is primarily divided into two parts: the front-end development and the back end development..

## 1. INTRODUCTION

---

## 2. LITERATURE REVIEW

---

## 3. PROPOSED METHODOLOGY

---

## 4. FRONT END DEVELOPMENT

---

## 5. BACK END DEVELOPMENT

---

## 6. CONCLUSION AND FUTURE WORK

---

## 7. GREETINGS

---

# INTRODUCTION

- Electronic commerce or e-commerce refers to a wide range of online business activities for products and services.
- Because of the high context culture it is very important to develop trust among the people interested in a transaction.

# INTRODUCTION

[Home](#)[Products](#)[About](#)[Contact](#)[Account](#)

## Give Your Workout A new Style!

Lorem ipsum dolor sit, amet consectetur adipisicing elit.  
Quibusdam, odio totam. Dolorum iste velit mollitia, minima  
eaque voluptatem cum tempora?

[Explore Now →](#)

# INTRODUCTION

- E-commerce in Bangladesh actually started in the year of 1999 based in USA with some non-resident Bangladeshis.
- Our motto is to develop an enriched e-commerce website in our country that should be largely accepted by the customers.

- Ullah, Syed Emdad, Tania Alauddin, and Hasan U. Zaman.  
"Developing an E-commerce website." 2016 International  
Conference on Microelectronics, Computing and Communications  
(MicroCom). IEEE, 2016.



# PROPOSED METHODOLOGY

- The back end contains the database and its interaction with the front-end.
- The entire development process has been subdivided into two: the front end development and the backend development.

# FRONT END DEVELOPMENT

```
<doctype html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSE-0319_LAB</title>
  <link rel="stylesheet" href="css/style.css">
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Cormorant&family=Garamond&ital,wght@,500;0,700;1,300;1,600&display=swap" rel="stylesheet">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>

<body>

  <div class="header">

    <div class="container">
      <div class="navbar">
        <div class="logo">
          <a href="home.html"></a>
        </div>
        <nav>
          <ul id="MenuItems">
            <li><a href="home.html">Home</a></li>
            <li><a href="#">Products</a></li>
            <li><a href="#" target="_blank">About</a></li>
            <li><a href="#foot">Contact</a></li>
            <li><a href="#">Account</a></li>
          </ul>
          <a href="#"></a>
        </nav>
      </div>
      <div class="row">
        <div class="col-2">
          <h1>Give Your Workout <br> A new Styel </h1>
          <p>
            Lorem ipsum dolor sit, amet consectetur adipisicing elit. <br> Quibusdam, odio totam. Dolorum iste velit mollitia, minima ea
          </p>
          <a href="products.html" class="btn">Explore Now &#8594;</a>
        </div>
        <div class="col-2">
          
        </div>
      </div>
    </div>

    <div>
      <!-- featured categories -->
    </div>
  </div>
```

- This is a client side scripting language which is a dedicated language for web development.
- We also introduced bootstrap program in our application which supports creation of animations.

# FRONT END DEVELOPMENT

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: 'Cormorant Garamond', serif;
  scroll-behavior: smooth;
}

.navbar {
  display: flex;
  align-items: center;
  padding: 20px;
}

nav {
  flex: 1;
  text-align: right;
}

nav ul {
  display: inline-block;
  list-style-type: none;
}

nav ul li {
  display: inline-block;
  margin: 20px;
}

a {
  text-decoration: none;
  color: #555;
}

p {
  color: #555;
}

.container {
  max-width: 1300px;
  margin: 0 auto;
  padding-left: 25px;
  padding-right: 25px;
}
```

- The front end of our website was initially raw coded using JavaScript.

- The code was mixed with the Hypertext Mark-up Language (HTML) to create a style sheet(CSS) language used for describing the look and formatting a document written in a mark-up language.

- The front end comprises of the visually visible parts such as the home page, admin panel, contact page, shopping cart page.

# BACK END DEVELOPMENT

- The main reason is MySQL development project has made its source code available under the terms of the General Public License (GNU) which is an open source web application.

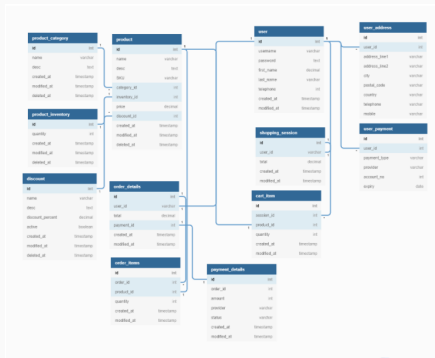


Figure 1: Data Table



# BACK END DEVELOPMENT

- The Database Management System (DBMS) provides support for the back end.

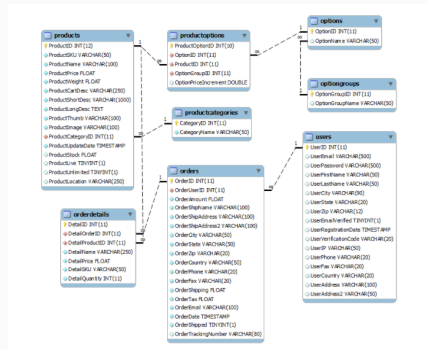


Figure 2: Data Table

- The database management systems essentially software where we can create the database, add, drop, alter and update tables.

- In our application we have chosen the MySQL DBMS to hold the database.
- MySQL is a relational database management system.

# CONCLUSION AND FUTURE WORK

- One can pick up the pace of his online business with the help of e-commerce application development and web development solutions.
- It is one of the cheapest means of doing business as it is e-commerce development that has made it possible to reduce cost of promotion of products and services.

# CONCLUSION AND FUTURE WORK

- An interactive user friendly and focused website in the form of online shop can generate good business.
- So we are of the opinion that big companies should invest more on research and development for e-commerce.

# GREETINGS



# GREETINGS

