

ANAND INSTITUTE OF HIGHER TECHNOLOGY

Approved by AICTE and Affiliated to ANNA University-
600 025

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

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PHASE-5

E-COMMERCE APPLICATION ON IBM CLOUD FOUNDRY

PROJECT TITLE:

➤ **ONLINE BOOK SHOP USING IBM CLOUD FOUNDRY**

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INTRODUCTION:

The introduction of this project is, It is an online book shop we can search so much of books in one platform with using e-commerce and IBM cloud foundry. It should have some collaborated book company.

PROBLEM STATEMENT:

E-Commerce business constantly facing challenges in selling the books in the shop. In Managing the business of book shop the people, didn't know their book where is selling. This is the problem where facing by the customers and the shop owners. By this website we can overcome the challenge and this website can provide the customers user friendly.

BENEFITS:

- User friendly
- Easy to access
- Can sale more books
- Good for customers and shop

CHALLENGES:

- Security
- Data privacy
- Leagacy Application

PROJECT OBJECTIVE:

We aim to provide a scalable and cost-effective solution to an e-commerce platform by implementing a cloud-based architecture that enables maximum agility, flexibility, and security. By integrating modern frameworks and using cloud-based resources and applications, we will provide a robust and dependable foundation for your online business to succeed.

TECHNICAL STACK:

In this website we have using the Technical stacks like HTML, CSS, Javascript, php, Node

CLOUD PROVIDER:

IBM CLOUD FOUNDRY

SAMPLE CODE :

- THIS IS THE SAMPLE CODE FOR OUR PROJECT
- THIS CODE CONTAINS HOMEPAGE OUR WEBSITE
- THE PROGRAMMING LANGUAGE IS HTML

CODE:

HTML CODE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.mi
n.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9
U0Z" crossorigin="anonymous">
```

```
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRk
fj" crossorigin="anonymous"></script>
```

```
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-
9/reFTGAW83EW2RDu2S0VKalzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7l
N" crossorigin="anonymous"></script>
```

```
  <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.j
s" integrity="sha384-
B4gtl1jrGC7Jh4AgTPSdUtOBvf08shuf57BaghqFfPLYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>
```

```
</head>
```

```
<body>
```

```
  <div id="session1">
```

```
    <div class="background d-flex flex-column justify-content-end">
```

```
      <div>
```

```
        <div class="d-flex flex-row justify-content-center pad">
```

```
          <button class="button" onclick="display('session2')">
```

```
            Start
```

```
          </button>
```

```
        </div>
```

```
      </div>
```

```
    </div>
```

```
  </div>
```

```
  <div class="page2" id="session2">
```

```
    <div class="mar">
```

```
      <h1>
```

```
        Popular Book
```

```
      </h1>
```

```
      <div>
```

```
        <div class="firstcontainer d-flex flex-row">
```

```
          <div>
```

```
            
```

</div>

<div class="mar">

<h1 class="h1">

Wings of Fire

</h1>

<p class="p1">

An Autobiography of Abdul Kalam

</p>

<p class="p1">

by Arun Tiwari

</p>

<button class="button1">

Read Now

</button>

</div>

</div>

</div>

</div>

</div>

</body>

</html>

CSS CODE:

```
@import
url('https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@400;700&family=Lobster&family=Monoton&family=Open+Sans:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,700;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=Source+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,wght@0,400;0,700;1,700&display=swap');
```

```
.background {
```

```
    background-image:
url('https://th.bing.com/th/id/OIP.c5mVS_bG9NfVHeV2R8995wHaHa?pid=ImgDet&rs=1');
```

```
    height: 100vh;
```

```
}
```

```
.button {
```

```
    border-radius: 5px;
```

```
    width: 80px;
```

```
    background-color: #ccccb3;
```

```
    border-width: 0px;
```

```
    height: 40px;
```

```
    font-family: Roboto;
```

```
    color: #004466;
```

```
}
```

```
.pad {
```

```
    padding: 20px;
```

```
}
```

```
.firstcontainer {
```

```
background-color: #e4e7eb;  
height: 200px;  
}
```

```
.mar {  
    margin: 15px;  
}
```

```
.image1 {  
    height: 200px;  
    width: 150px;  
}
```

```
.h1 {  
    font-family: Bree Serif;  
    font-size: 30px;  
}
```

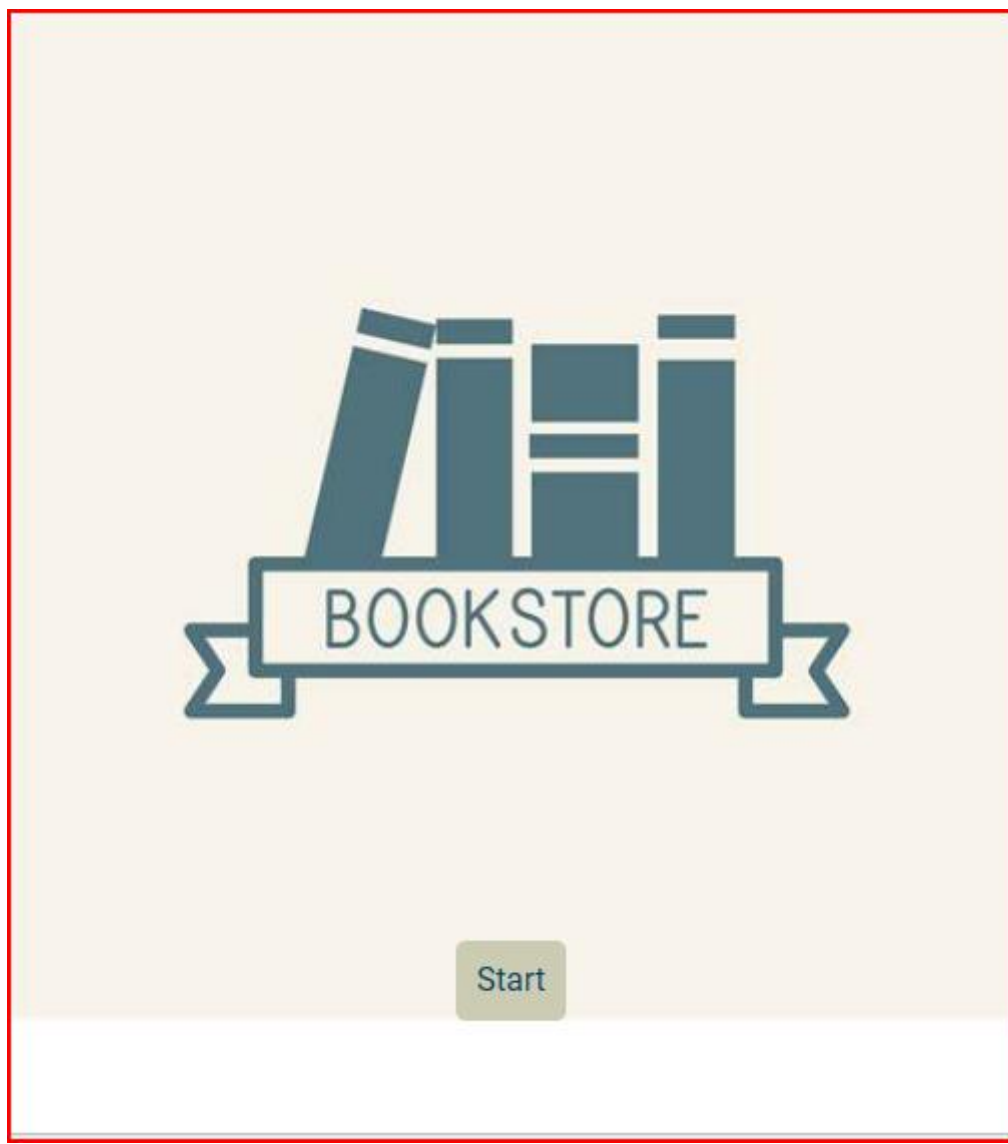
```
.p1 {  
    font-family: Bree Serif;  
    font-size: 15px;  
}
```

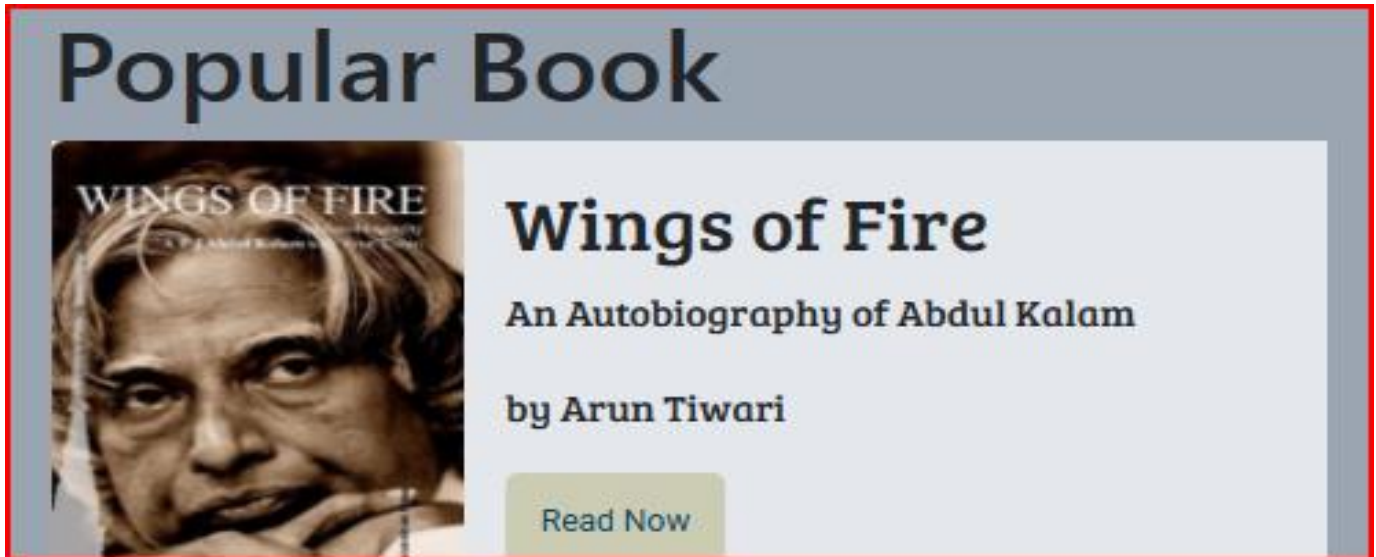
```
.button1 {  
    border-radius: 5px;  
    width: 80px;  
    background-color: #ccccb3;  
    border-width: 0px;  
    height: 40px;
```



```
font-family: Roboto;  
color: #004466;  
font-size: 12px;  
}  
  
.page2 {  
    background-color: #9aa5b1;  
}
```

SAMPLE OUTPUT OF HOME PAGE:





CONCLUSION:

Reliable Infrastructure

Cloud computing offers businesses a reliable solution that ensures websites are up and running with minimal downtime.

Cost-Effective

Cloud computing helps reduce on-premise infrastructure costs and provides scalable solutions as per business needs, resulting in significant cost savings.

Future-Proofed Solution

Implementing cloud computing solutions ensures businesses are up-to-date with the latest technology trends, continually evolving and staying ahead of the game.

Cloud computing offers a range of benefits to e-commerce businesses by enabling scalable, reliable, and cost-effective infrastructure. With the right planning and implementation, businesses can gain a competitive advantage and establish themselves as market leaders. Contact us today to learn more about our cloud computing services and how we can help take your business to the next level.
