ANAND INSTITUTE OF HIGHER TECHNOLOGY

Approved by AICTE and Affliated 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**
1. INTRODUCTION
2. PROBLEM STATEMENT
3. PROJECT OBJECTIVE
4. TECHNICAL STACK
5. SAMPLE CODE
6. SAMPLE OUTPUT
7. CONCLUSION

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 shoud have some collaborated book company.

PROBLEM STAEMENT:

E-Commerce business contantly facing challenges in selling the books in the shop. In Managing the business of book shop the people, did'nt 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 PROGRAMMNG LANGUAGE IS HTML

CODE:

HTML CODE:

```html
<!DOCTYPE html>

<html>


<head>

   <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+Vm
mDGMN5t9UJ0Z" crossorigin="anonymous">

   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYU
ew+OrCXaRkfj" crossorigin="anonymous"></script>

   <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-
```

```html
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G
7niu735Sk7lN" crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/boot
strap.min.js" integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJ
OMMV+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">
```

```html
<div class="mar">
  <h1>
    Popular Book
  </h1>
  <div>
    <div class="firstcontainer d-flex flex-row">
      <div>
        <img class="image1"
src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-
website/book-apj-img.png" alt="" />
      </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
```

```html
                </button>
            </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

CSS CODE:

```css
@import
url('https://fonts.googleapis.com/css2?family=Bree+Serif&family=Caveat:wght@4
00;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;
```

```css
    }

    .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;
```

```css
    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;
}
```
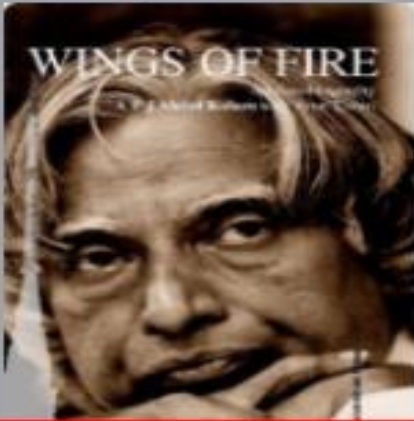
SAMPLE OUTPUT OF HOME PAGE:

PAGE 2:(SAMPLE)

Popular Book

Wings of Fire

An Autobiography of Abdul Kalam

by Arun Tiwari

Read Now

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.