

the team's OS preferences. Both Stack offer robust web development environments.

Assignment -2

- ④ develop a Web application that involves detailed interactions b/w elements & server using HTTP:

HTTP Request & Response Message

Structure & key Concepts:

HTTP Request Message Structure:

1. Request Line:

- Method: Define the action.
- URI / URL: Specifies the resource.
- HTTP version: protocol version.

2. Headers:

- provide metadata about the request
- common headers
 - * Host
 - * User-Agent
 - * Accept

3. Blank Line:

- Separates headers from the body

4. Body:

- contains data sent to the server
leg from data in a 'POST' requests.

HTTP Response Message Structure:

1. Status Line: HTTP version, status code, Reason phrase

2. Headers: Provides metadata about response

3. Blank Line: Separates headers from the body

4. Body: Contains the data sent to the client

Key HTTP Response Status code:

1. 1xx (Informational):

- '100 Continue'

Op

2. 2xx (Success):

- '200 OK'
- '201 Created'

3. 3xx (Redirection):

- '301 Moved permanently'

- '302 Found'

4. 4xx (Client Error):

- '400 Bad request'

- '401 unauthorized'

- '403 forbidden'

- '404 Not found'

5. 5xx (Server Error):

- '500 Internal Server Error'

- '502 Bad Gateway'

Conclusion:

Understanding the Structure of HTTP Request and Response message & managing HTTP Status code is essential for building web Application

⑤ Create a Simple Multi-page Website for a Small business.

```
<!DOCTYPE html>
<html>
<head>
  <title>Small Business </title>
  <link rel="Style Sheet" href="Style.css">
</head>
<body>
  <header>
    <h1> Small Business </h1>
    <nav>
      <a href="index.html"> Home </a>
      <a href="about.html"> About </a>
      <a href="contact.html"> Contact </a>
```

```
</header>
<div class="container">
    <h2> Welcome </h2>
    <p> We are committed to providing exception
        services and high quality products
    </p>
</div>
<div>
<footer>
```

</body>
</html>

About Page : (about.html)

```
<!DOCTYPE html>
<html>
    <head>
        <title> Small Business </title>
        <link rel = "stylesheet" href = "style.css" >
    </head>
    <body>
        <header>
            <h1> Small Business </h1>
            <nav>
                <a href = "index.html" > Home </a>
                <a href = "about.html" > About </a>
                <a href = "contact.html" > Contact </a>
            </nav>
        </header>
        <div class = "container">
            <div class = "content">
                <h2> About us </h2>
            </div>
        </div>
```

<p> © ; 2024 Small Business. All rights reserved </p>

<footer>
</body>
</html>

Small Business

Home

About

Contact

Welcome to Our Business

We are committed to providing exceptional service and high quality products.

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