

## Assignment - ①

index.html

```
<!DOCTYPE html>
<html>
<frameset rows = "10% * ">
    <!-- TOP row for showroom name -->
    <frame src = "showroom-name.html"
        frameborder = "0" scrolling = "no">
    <frameset class = "20% * ">
        <!-- left column for bike brands -->
        <frame src = "bike-brands.html"
            border = "1" scrolling = "auto" name =
            "brand">
        <!-- Right column for bike models &
            specs -->
        <frame src = "bike-models.html"
            frameborder = "0" scrolling = "auto"
            name = "models">
    </frameset>
</frameset>
</html>
```

showroom name .html  
    <!DOCTYPE html>  
    <html>  
        <body>  
            <h1> Bike Showroom </h1>  
        </body>  
    </html>

bike brand .html

    <!DOCTYPE html>  
    <html>  
        <body>  
            <ul>  
                <li> <a href = "brand.html" target  
                        = "models" > Brand 2 </a> </li>  
            </ul>  
        </body>  
    </html>

Bike-Models .html

brand .html

    <!DOCTYPE html>  
    <html>  
        <body>  
            <h2> Brand 1 modes </h2>

<ul>  
<li> Model 1: <span> Specs ... </span></li>  
<li> Model 2: <span> Specs: ... </span></li>  
2! --- Add more models -->

</ul>  
</body>  
</html>

2) HTML code for job application

<!DOCTYPE html>  
<html>  
<body>  
<form>  
<label> full name : <input type="text" required>  
<label> highest qualified degree:  
<label> Required  
<select>  
<option value="">> select Degree  
<option> highschool  
<option value="high-schools">> highschool  
<option value="bachelor">> bachelor's </options>  
<option value="master">> Master </options>  
<option value="phd">> phd </options>

```
<select>
  <label> gender : <label>
  <select required>
    <option value=">"> Select gender <option>
    <option value="male"> male <option>
    <option value="female"> female <option>
    <option value="others"> other <option>
</select>
<input type="submit" value="Submit" />
<input type="reset" value="Cancel" />
</form>
</body>
</html>
```

Question - 3

LAMP and WAMP stacks

- LAMP: Linux, Apache, MySQL, PHP
- WAMP: windows, Apache, MySQL, PHP

Apache web series

- Handles HTTP sequence
- Integrates with HTTP & MySQL

## Installation

- LAMP Install Apache, MySQL, PHP on unix/linux
- WAMP Install WAMP Server on windows

## Component function

Operating system (LINUX / windows)

- provides the underlying environment for other components -

- Handles resource management, file system security and user management

Apache webserver

Apache is responsible for serving static & dynamic content

PHP / Perl / Python

for server side logic and interaction with databases.

## Installation steps

1. update system package
2. Install apache
3. Install MySQL / MariaDB
4. Secure Installation
5. Install PHP
6. Restart Apache

- 7) Test PHP
- WAMP stack on windows
- 8) Download WAMP
- 9) Run the installer
- 10) Test apache
- 11) Test PHP
- 12) visit `http://local host/test PHP`
- 13) Manager SQL use PHP admin at `http://local host`

#	Title	Author
①	To Kill a Mockingbird	Harper Lee
②	1984	George Orwell
③	The Great Gatsby	F. Scott Fitzgerald

### Assignment - 2

Question - 4

#### HTTP Request and Response Management

##### 1) Request Line

- \* method : Define the action
- \* URI / URL : specific the Resource
- \* HTTP Version : protocol version

##### 2) Headers

- \* provides metadata about the Request
- \* Common headers

\* Host

\* user-agent

\* Accept

Output

Author  
George or  
well  
F. Scott  
Fitzgerald

at

nagis

三

Request

3) Back  
separates header from body

contains dataset to the servers

## HTTP Response message structures

- \* status line
- \* HTTP version
- \* status code
- \* Reason phrase

g. Headers

\* previous metadata about Response [cancel]

\* Content type

\* Content length

\* set cookie

3) Blank line

\*separate header from the body

4) Body

Contain header from the body.

## key HTTP response status codes

## 1. IXX (Information)

2. 2xx (success)

### 3. ~~3xx~~ (Redirection)

4. 4xx (client error)

## Output

## Page display

The page will refresh  
in 20 seconds

Do you need more time?

5) 5xx (server error)

Conclusion:

understanding the structure of HTTP request and response message & managing HTTP status code is eliminated for building web applications.

Question-5

Home page (index.html)

```
<!DOCTYPE html>
<html>
<head>
<title> small business </title>
<link rel = "stylesheet" href = "style.css" type = "text/css"/>
</head>
<body>
<h1> small business </h1>
<nav>
<a href = "index.html"> Home </a>
<a href = "about.html"> about </a>
<a href = "Contact.html"> Contact </a>
</nav>
</body>
```

HTTP

6

Eliminated

<div class = "Container">

```
<div class = "Content">
```

< h2 > welcome < /h2 >

(R) We are committed to providing exceptional service & high quality product (IP)

</div>

</div>

<foot 4>

{P} & copy, 2024, small

business = 40 cells in two directions

Right Reserved <IP>

<1 footu>

<1body>

</html>

About page (about.html);

```
<!DOCTYPE html>
```

<html>

`<head>`

<title> Small business </title>

Link .vet = a style speet " href = " style.css "

## <thead>

<body>

## ↳ header ↳

<h1> small business </h1>  
<h2>

<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>

<footer>

<p> © copy = 2020 small business </p>

</footer>

</body>

</html>

1) output

	welcome to showroom
Bike Brand	welcome to bike showroom
Honda	please select a brand to the available brand & their model & specification

2) Job application form

full name	
Highest degree	<u>Select your degree</u>
Gender	
<input checked="" type="checkbox"/> male	<input type="checkbox"/> female
<input type="button" value="Submit"/>	<input type="button" value="Cancel"/>

small bussiness

5)

Home

about

Contact

welcome to our business  
we are committed to providing  
exceptional service & high quality  
products

© 2024 small business All rights

Reserved -

work for you

work may take

work

work

work

work

Assignment	marks splitup	mark score	Total marks
Assignment - ① question ①	form design	4	
	button design	4	
	layout design	2	
question ②	form design	4	
	button design	4	
	layout field	2	
question ③	MySQL database	3	
	PHP script	3	
	output	4	
Assignment → ② question 4	HTML & PHP code	5	
	output	5	
Question 5	HTML structure	5	
	output	5	