



Daffodil International University

Course Title: Website Development Essentials

Course Code: CIS103

Experiment No:

Experiment Name: Sultan Dine a catering services

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Introduction

Project Introduction: GoruBari - A smart cattle trading platform.

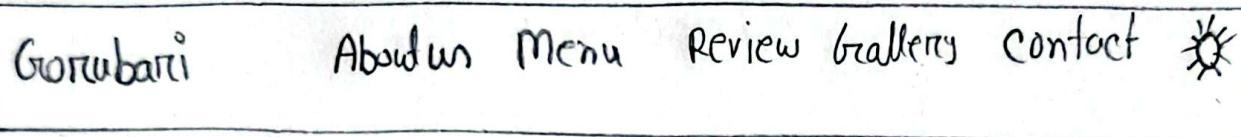
GoruBari is a modern web-based platform design to simplify and streamline the cattle trading process in rural and urban communities. Developed as a part of a rementer project this application combines user friendly design with essential marketplace functionalities, enabling users to buy and sell livestock efficiently.

Buid it using Next.js, Tailwind.css, and other modern technologies. Hopefully this project help for trading platform

PART-A

Task A:

1. Layout



Welcome To

Gorubari

Slider All

Services

Service
One

Service
Two

Service
Three

Gorubari project made by next JN.

There are a page layout.dra. When
Navbar is set here we can access it
in whole website.

* First of create a Navbar component

* Then go import layout.jsx

export default function ()

return (

<div>

</> <Navbar/>

</div>

) } }

Intuitive Navigation:-

Navigation means after click go move to another page. There are few page

About us, menu, review, gallery, contact us.

implement Next.js built-in routing using next/link

```
import Link from "next/link";
```

```
<Link href="/aboutus"> About Us </Link>
```

```
<Link href="/gallery"> Gallery </Link>
```

User ~~fire~~ friendly Accessibility:

- * Use semantic HTML tags (`<header>`, `<nav>`,
`<Section>`-`<div>` `<footer>`)
- * Ensure keyboard click navigation and
it set at the top.
- * User friendly responsive for ~~not~~ mobile
version
- * Eye catching insert image
- * Loading first and move navigation
faster.

Q. In this project we tailwind can for design and responsive. To ensure next in website fitn within standard desktop screen resolution (typically 1920x1080, 1366x786 etc)

There are few step:

① Use Responsive containers:

```
<div className="Container mx-auto px-9">
</div>
```

② Set a Maximum width:

```
<div className="max-w-7xl mx-auto">
</div>
```

③ Use flexbox and grid for layouts:

```
<div className="grid grid-cols-3 gap-6">
  <div> Sidebar </div>
  <div> Main Content </div>
</div>
```

④

④ Ensure Images and text fit within
viewport:

```

```

⑤ Handle overflow issues

```
<div className="overflow-hidden">  
</div>
```

Add to the q.no.3

HTML form

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <title> HTML FORM </title>  
</head>  
<body>
```

<div>

<h2> Recurrent a Event form </h2>

<form>

<label> FullName </label>

<input type="text" id="name"/>

<label> Email </label>

<input type="Email" id="email"/>

<label> Event Date </label>

<input type="date" id="date"/>

<label> Event Type </label>

<select>

<option value=""> Select a type </option>

<option value="wedding"> Wedding </option>

<option value="birthday"> birthday </option>

<option value="corporate"> Corporate </option>

</select>

<div>

<input type="checkbox" value="500"/>

<label> 500 people</label>


```
<input type="checkbox" value="1000" /> </br>
<label> 1000 person </label> </br>
</div>

<button type="Submit">Submit </button>

</form>

</body>
</html>
```

Task B

Ans to the Question No 1

The website "Gonubari" features a straightforward navigation structure:

1. Home - main landing page
2. About us - Details about management.
3. menu - Display about food options.
4. review - Customer feedback
5. gallery - photo Showcasing

③

Contact us - provide contact us
Home page

Gonubari

About

Menu

Review

Gallery

Contact



Welcome Message

Slider All

After clicking Menu page:

Search

Image
price
discount

Image
price
discount

Image
price
discount

After clicking Gallery page:

All photos of our members

image

image

image

Ans to the q-no-2

first of the project deploy in vercel.

Vercel is free domain-hosting service.

After deployment when test the website on two different web browsers there are something difference. Those browser is chrome and firefox.

1. Tailwind Rendering: chrome and firefox may display font, margins and spacing differently. for example, chrome often handles flexbox and grid layout more consistently. whereas firefox may have slight differences in rendering.

2. Javascript performance - In this project we use Next.js which is framework of React.js. And React.js is open source library from Javascript.

functions like animations, transitions
behave differently due to engine variation.
Check find some errors in console.

3. Responsive Design: Test how the layout
adjusts on different screen sizes.

Chrome and Firefox developer tools can
help identify and address layout shifts.

Ans to the Q-no-3

Validate website in validator and report.

1. Addressing common validation issues in
Next.js -

- * Next / image Component: Using next
image - not use ``

- * Font optimization metatags: Next
js might insert `<meta name="next-font-preconnect" />`

①

2. Client and server-Side validation in forms:

- * Client-side: Utilize HTML attributes like required and for basic validation
- * ServerSide: Ats make a low fullwebsite.

3. Animation loading:

- * Use third party package in the client side. As a result it's time to need for rendering. Animation can make more faster

4. Missing all attributes and invalid self closing tags

PART B

In goruvari project we tailwind.css for design, responsive. At next to website. Where tailwind.css helps lot of to completing a look website. Create a global.css

- @tailwind base;
- @tailwind components;
- @tailwind utilities;

body {

 @apply bg-gray-50 text-gray-900;

}

h1 {

 @apply text-4xl font-bold

import '@/Styles/global.css'

export default function MyApp ({components}) {

 return <Component />;

}

Create html file where apply tailwind

```
export default function Home() {
```

```
  return (
```

```
    <div className="min-h-screen flex flex-col items-center justify-center">
```

```
      <h1 className="text-4xl font-bold">Welcome  
      to Grubbari</h1>
```

```
      <p className="bg-gray-100 mt-4">
```

```
        The best place for delicious food.
```

```
      </p>
```

```
      <button className="bg-black-500 font-bold">
```

```
        Explore Menu
```

```
      </button>
```

```
    </div>
```

```
  );
```

```
}
```

Explanation of CSS properties in tailwind

property	Class	Description
Background color	bg-gray-300	sets light gray in background
Text color	text-gray-800	text for readability
font size	text-9xl	increase heading size
font weight	font bold	makes text bold
padding and margin	p-4, mt-4	Adds spacing around elements for better layout
flexbox for content	flex items-center	centers content horizontally and vertically

why use tailwind CSS?

- ① faster Development
- ② More Maintable
- ③ Better performance

Parte - Javascript

In the whole project made by nextjs. Nextjs is the ~~library~~^{Framework} of Reactjs. And Reactjs is the framework of open source library of Javascript. first of discuss the all behaviour in this website.

In Navbar there are one `<Link>` tag and its come from nextjs. Its actually help navigation one page to another page.

`<Link href="gallery"> Gallery </Link>`

Then one swiper slider for banner/hero section Sliding image. we Npm package swiper slide here. Its a Javascript behaviour.

<Swiper>

<SwiperSlide>

<Image

src = {image1}

alt = "Hero"

/>

</SwiperSlide>

</Swiper

It's actually helps to make a slider
in here section.

Then about scroll to top button. In
this project add a button. This
button actually help us to navigate
bottom to top just in one second.

<div>

{showScrollButton &&

<button onClick={scrollTop}>

```
className = "bg-blue-600">  
<AiOutlineArrow/>  
</button>  
</div>
```

In this component we can watch few function that is actually comes from Javascript behaviour. Beside it also useState, useEffect. The main thing that without this two hook its not possible. In next.js each component manages its own behavior, making the code modular. Using React hooks and its recommended way. And app.js is not need here. That is explanation for Javascript behaviour for in next.js website.

Part C - Critical Evaluation

gorubari is a restaurant website made by nextjs. In this website user can take all information, update easily. There are few page Home, Aboutus, gallery, review and menu. Its kind of landing page, where user just watch but cannot order. There are few improvements and features we add after deployment.

Order process: User can order their favorite food easily. And user dashboard he can watch his order history.

Online payment : We have plan online payment system like stripe and bikash.

User profile. Add Authentication functionality, like Signin, login. User can save his record here.

Convert a APP. This is react based project. Beside we have plan convert this web in app using React Native app.

By addressing these features, Gurubari can enhance its online presence and user engagement. And we can build a proper user friendly website.

Conclusion

GoruBaru demonstrates how technology can revolutionize traditional industries like cattle trading by offering a smarter, faster and more accessible solution.

Through a clean interface, responsive design and essential marketplace features, the platform bridges the gap between rural sellers and urban buyers. This project also helps who has interest in food. Thank you for reading.

reference:

- ① <http://NextJn.com>
- ② <http://tailwindern.com>
- ③ <http://GreenforGreen>
- ④ <http://bitfarm-archiv.com>