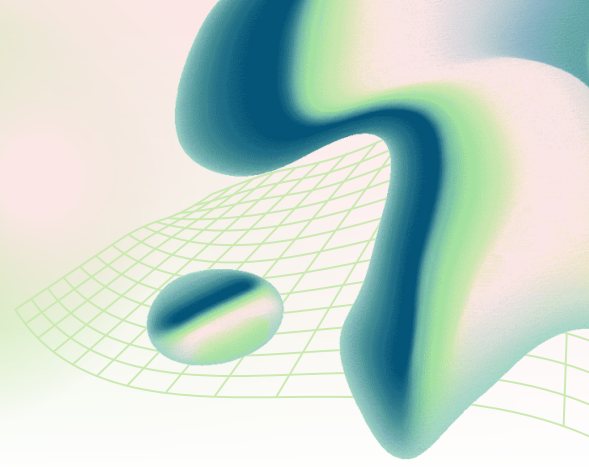


MASTERING NEXT.JS PROJECT SETUP

A Comprehensive Guide to File-Based and Dynamic Routing



Getting Started & Routing Assignment

Objective

The purpose of this assignment is to:

- Set up a Next.js project from scratch.
- Understand file-based and dynamic routing.
- Build layouts, navigation, and a simple blog section.

By completing this, you will gain practical experience with the foundational elements of Next.js.

Prerequisites

Before starting, ensure you have completed:

- Module 1: Getting Started
- Module 2: Next.js Essentials
- Module 3: Routing & Page Rendering

Tasks

1. Project Setup

- Use the following command to create a new Next.js project:
- `npx create-next-app@latest my-nextjs-app`
- Install and configure Tailwind CSS for styling, following the Tailwind CSS installation guide.

2. Create Pages

- **Home Page (/):** Add a welcoming message and navigation links to other pages.

- **About Page (/about):** Include a short description of yourself or your company.
- **Contact Page (/contact):** Implement a simple contact form with the fields: Name, Email, and Message.

3. Layout & Navigation

- Develop a Layout Component that includes:
 - **Header:** Site logo and navigation links.
 - **Footer:** A copyright message.
- Ensure all pages are wrapped with this layout using app.js or a shared Layout component.

4. Dynamic Blog Section

- Create a pages/blog folder.
- Inside, add:
 - index.js: Display a list of 3 dummy blog posts using an array of objects.
 - [id].js: A dynamic blog details page.
- Use getStaticPaths and getStaticProps to generate static pages for the blog posts.

5. Styling

- Apply Tailwind CSS classes for a clean and responsive design.
- Highlight active links in the navigation bar for a better user experience.



Deliverables

- A fully functional Next.js project folder named my-nextjs-app.
- Responsive pages for Home, About, Contact, Blog List, and Blog Details.
- A consistent layout with a common header and footer across all pages.
- Dynamic routing for blog posts was implemented successfully.



Submission Guidelines (For Next.js)

1. **Project Name**
 - Name your project folder **my-nextjs-app** (or use a meaningful project name).
2. **Push to GitHub**
 - Upload the full project folder to GitHub (except node_modules, which is ignored by default using .gitignore).
 - Please make sure package.json, next.config.js, and all pages are included.
3. **Deploy on Vercel or Netlify**
 - **Preferred:** Deploy on **Vercel** (the official Next.js hosting platform).
 - Go to <https://vercel.com>
 - Import your GitHub repo
 - Click **Deploy**
 - **Alternative:** Deploy on **Netlify** (also supports Next.js).
 - Watch this guide: [Deploy Next.js on Netlify](#)
 - In Netlify, make sure the **build command** is next build and the **publish directory** is .next

4. **Submit the Following:**

- **GitHub Repository Link**
- **Live Deployed Link** (Vercel or Netlify)

By following these instructions, you'll successfully complete the assignment and enhance your understanding of Next.js. Good luck!