

Assignment: Building a Dynamic Blog Page with Next.js

Objective:

This assignment is designed to assess your skills in Next.js, a popular framework for building server-rendered React applications. Your task is to create a dynamic blog page that fetches and displays blog posts from a provided API.

Instructions:

- Set up a new Next.js project. You can use the Next.js CLI or create one from scratch.
- Create a new page named "blog" using Next.js conventions. This page will serve as the main blog page.
- Create a "components" folder to organize your React components.
- Fetch blog posts from the API endpoint : given in api resource section
- The API returns an array of blog posts in JSON format.
- Design a dynamic blog page that displays the following for each blog post card:
 - Title
 - Author
 - Publication Date
 - Content (HTML)
 - A link to read the full post
- Implement server-side rendering (SSR) for the blog page to improve performance and SEO. Ensure that data is fetched on the server side.
- Create a custom 404 error page for handling any potential issues.
- Create Responsive design and use latest material theme.

Requirements:

- Use functional components and React hooks.
- Utilize Next.js features for routing and SSR.
- Apply proper error handling for the API request.
- Implement basic styling for a visually appealing blog page (you can use a CSS framework or custom CSS).
- Optimize the application for performance and load times.

Submission:

Please provide the following when you submit your assignment:

- host your project online to test
- A link to your GitHub repository containing the Next.js project.
- Instructions on how to run your project locally.
- A brief explanation of any challenges you encountered and how you resolved them.
- Any additional features or improvements you made beyond the basic requirements.

Note:

- You are not required to create a working API for this assignment. You can use mock data or any available API for testing.
- Focus on demonstrating your Next.js skills, including routing, SSR, and component organization.

API resource:

To get list of all available blog posts

- <https://wowtalent.live/wp-json/wp/v2/posts>

To get details of particular blog

- <https://wowtalent.live/wp-json/wp/v2/posts/<id>>
e.g. <https://wowtalent.live/wp-json/wp/v2/posts/2051>