Name: Fouzaan Ahmed

Student ID: 100857977

For my static quiz app, I opted to use Next.js instead of 11ty because to its notable benefits in terms of performance, growth, and customization. In the world of web development, Next.js is the framework that is expanding the fastest and swiftly becoming the norm. Choosing a technology that will continue to advance and receive good support gave me a sense of confidence.

By making this decision, I will have access to a sizable and vibrant developer community that will support me in developing and maintaining my app by providing tools, resources, and solutions. The speed of Next.js is one of the main reasons I chose it. My quiz app has very quick load times because of built-in capabilities like server-side rendering (SSR), automated code-splitting, and static site generation (SSG). This guarantees seamless navigation around the app for consumers, which is essential for maintaining their interest as they switch between quiz questions.

Next.js's React-based component-based architecture played a significant role in my choice as well. This helps me build and manage my app more effectively by making it simple to design modular, reusable components like quiz questions, answers, and result screens. I know I can reuse these components to save time and work when I update or expand the app in the future.

I can also manage the app's UI globally with Next.js, which is really useful for me when I want to make design changes. I can quickly implement changes to the color scheme, fonts, or general layout over the entire application, guaranteeing a unified appearance and experience. Choosing Next.js ultimately came down to building a modern, quick, and adaptable application that would be simple to scale and manage over time.