

# Next.js and TailwindCSS

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# Agenda

1. Introduction to Next.js
2. Why Next.js
3. Introduction to TailwindCSS
4. Why TailwindCSS

# Introduction to NEXT.js

- <https://nextjs.org/>
- React Framework for full-stack web applications
- Rust-based JS compiler

# Main features of Next.js

1. Routing
2. Rendering
3. Data-fetching
4. Styling
5. Optimizations
6. ...

Main features of Next.js

# Routing

File-based routing.

1. Using Pages Router - legacy
2. Using App Router - new

Main features of Next.js

# Rendering

1. Client-side Rendering (CSR)
2. Server-side Rendering (SSR)
3. Static Site Generation (SSG)
4. [React Server Components](#) < App router

Main features of Next.js

# Optimizations

1. Images: ``next/image``
2. Fonts: ``next/fonts``
3. Scripts
4. Code splitting
5. ...

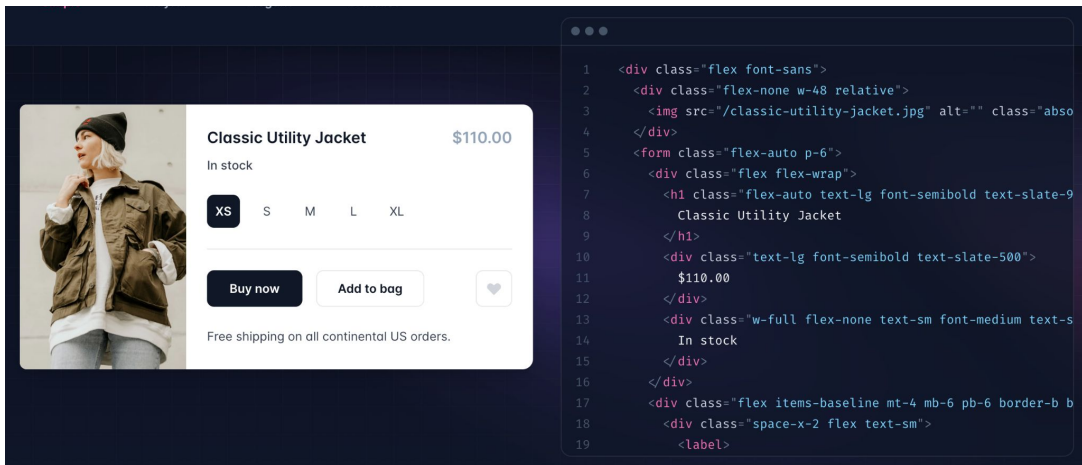
# Why Next.js

1. Good DX
  - a. Zero config
  - b. Typescript
2. Support different types of production-ready applications
  - a. SEO
  - b. Internationalization
  - c. Analytics
3. Big community & popular with developers



# Introduction to tailwindcss

- Utility-first, low-level CSS framework.
- Reference: [An Introduction to Atomic CSS](#)



# Why TailwindCSS

- Simple, low learning curve
- Developer Experience
- Consistent & flexible design system
- Performant with tiny CSS payload
- Mobile-first
- State variants – hover, focus & other states
- Dark-mode
- Customization
- ...

# References

- <https://nextjs.org/>
- <https://tailwindcss.com/>
- <https://brain.d.foundation/Engineering/Frontend/An+Introduction+to+Atomic+CSS>
- <https://brain.d.foundation/Engineering/Frontend/React+Server+Component>

# Thank You



# Q&A

