

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Gurvinder Singh

Training Duration: 6 Months

Days: 61

Objective of the Day

The objective of Day 61 was to **initialize the GadgetShop frontend project** using **React**, integrate **Tailwind CSS**, and set up **shadcn/ui** for consistent UI components.

Work Done on Day 61

1. Project Setup

```
# Create project folder
mkdir GadgetShop && cd GadgetShop

# Initialize React project with Vite
npm create vite@latest gadgetshop -- --template react

# Install dependencies
cd gadgetshop
npm install
```

2. Tailwind CSS Setup

```
npm install -D tailwindcss postcss autoprefixer
npx tailwindcss init -p
```

tailwind.config.js:

```
module.exports = {
  content: ["/index.html", "/src/**/*.js,jsx"],
  theme: {
    extend: {},
  },
  plugins: [],
}
```

src/index.css:

```
@tailwind base;
@tailwind components;
@tailwind utilities;
```

3. shadcn/ui Integration

```
npm install @shadcn/ui
```

- Tested integration with a simple **Button** and **Card**.
-

Hands-on Practice

- Created **Header** component

```
const Header = () => (  
  <header className="flex justify-between p-4 shadow-md bg-white">  
    <h1 className="text-xl font-bold">GadgetShop</h1>  
    <nav>  
      <ul className="flex gap-4">  
        <li>Home</li>  
        <li>Shop</li>  
        <li>About</li>  
        <li>Contact</li>  
      </ul>  
    </nav>  
  </header>  
)  
export default Header;
```

- Simple **Hero** section

```
const Hero = () => (  
  <section className="text-center py-20 bg-gray-100">  
    <h2 className="text-4xl font-bold mb-4">Welcome to GadgetShop</h2>  
    <p className="text-lg">Best gadgets at unbeatable prices</p>  
  </section>  
)  
export default Hero;
```

- Verified **responsive design** across mobile, tablet, and desktop.
-

Conclusion

Day 61 completed the **project initialization**, Tailwind CSS configuration, and shadcn/ui setup. Basic components like **Header** and **Hero** are ready for further development.

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