

SCHOOL WEBSITE – PROJECT WORKFLOW DOCUMENT

Task Name: School Website

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Project Title: School Website

Technology Stack:

- 1 Frontend Framework: React.js
- 2 Styling Framework: Tailwind CSS
- 3 Package Manager: npm
- 4 Development Tool: Create React App

1. Project Setup

- 1 Created the React project using: npx create-react-app school-website-tailwind
- 2 Installed dependencies using: npm install
- 3 Configured Tailwind CSS (added tailwind.config.js, postcss.config.js, and Tailwind directives in index.css)
- 4 Started the development server using: npm start (Website launched at http://localhost:3000)

2. Folder Structure

```
school-website-tailwind/
|
├── public/
│   └── index.html
|
└── src/
    ├── components/
    │   ├── Navbar.jsx
    │   ├── Home.jsx
    │   ├── About.jsx
    │   ├── Academics.jsx
    │   ├── Faculty.jsx
    │   ├── Gallery.jsx
    │   ├── Contact.jsx
    │   └── Footer.jsx
    ├── App.jsx
    ├── index.js
    └── index.css
|
└── package.json
```

3. Project Workflow Explanation

- 1 Navbar.jsx – Displays navigation menu for all pages.
- 2 Home.jsx – Hero section with the school name and tagline.
- 3 About.jsx – Describes school history, mission, and vision.
- 4 Academics.jsx – Details courses and programs offered.
- 5 Faculty.jsx – Displays list of teachers and subjects.
- 6 Gallery.jsx – Shows school event photos using grid layout.
- 7 Contact.jsx – Static contact form (no backend).
- 8 Footer.jsx – Contains social links and copyright.

4. Design and Styling

Styled completely with Tailwind CSS. Features include a modern color palette, gradient backgrounds, hover animations, and responsive layout. No backend or database used; all content is static and frontend-based.

5. Execution Steps

- 1 Open the folder in VS Code or PowerShell.
- 2 Run: npm install
- 3 Run: npm start
- 4 View the site at <http://localhost:3000>

6. Output

A fully functional and responsive School Website built using React.js. Displays static information about school activities, staff, and gallery. Demonstrates frontend development concepts effectively.

7. Conclusion

This project is a frontend-only web application designed to showcase a modern school website. It uses React.js for component structure and Tailwind CSS for responsive and elegant styling. No backend or database integration is included.