

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.