Technical Report for Smart Camping Application (Tsadiree)

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Prototyping

Where and Why: The prototyping was done on Figma, a widely used platform for designing and testing UI/UX due to its collaborative features and ease of use.

Programming Language

Choice: The project uses React (with TypeScript). React was chosen for its robust component-based structure, reusability, and strong community support.

Project's Structure

Key Directories:

- `src`: Contains the core application code.
- `app`: Likely for app-wide utilities or context.
- `assets`: Holds images or other static assets.
- `components`: Reusable components for the UI.
- `pages`: Different application pages.
- `index.tsx`: Entry point for the app.
- `public`: Static files and initial HTML template.
- `documents`: Additional documentation. The project follows a modular structure, dividing responsibilities across components and pages.

Components used

Origin: All components were built manually to maintain consistency with the design and application requirements.

Key Functionalities

- Functionalities are implemented using React hooks and TypeScript for type safety.
- Key functionalities include routing (react-router-dom), modals (react-responsive-modal), and state management through React's context or hooks.

Commands to start the Application

- Install dependencies: `npm i`
- Start the development server: `npm start`

Notes

- The project is configured with Webpack for bundling and TypeScript for enhanced type checking.
- The team adhered to linting standards using ESLint.

Conclusion

The application repository is hosted on GitHub: Find our repository here.