## ***HackOdisha Project***

So our website gonna have this basic layout

**Odisha Explorer Hub**

├── Home (Landing page)

├── Tour Guide

│ ├── Temples & Heritage

│ ├── Natural Attractions

│ ├── Interactive Map

│ └── Festival Calendar

├── Learn Odia

│ ├── Lessons

│ ├── Quizzes

│ └── Flashcards

├── Culture & Arts

│ ├── Traditional Crafts

│ ├── Artist Profiles

│ └── Gallery

├── Safety Hub

│ ├── Cyclone Preparedness

│ ├── Emergency Contacts

│ └── Weather Dashboard

└── About/Contact (common in all pages at the bottom)

## **Foundation**

1. **Setup & Design System**
   * Create color palette inspired by Odisha (temple colors, sea blues)
   * Design consistent navigation and layout
   * Set up CSS variables for theming
2. **Core Structure**
   * Build responsive navigation
   * Create homepage with hero section
   * Set up routing with JavaScript (single-page app)
3. **Tour Guide Module**
   * Temple/tourist spot pages with image galleries
   * Integrate Leaflet.js map with location markers
   * Basic festival calendar

### **Interactive Features**

1. **Odia Learning Platform**
   * Lesson structure with audio integration (audio integration is optional)
   * Quiz system with score tracking
   * Flashcard animations
   * localStorage for progress
2. **Culture Section**
   * Art forms(pattachitra, sandart and all)
   * Image galleries with filtering(filters: dance,temples,clothes,food,festivals)
   * Traditional craft showcases
3. **Safety Dashboard**
   * Weather API integration
   * District-wise emergency info
   * Preparedness checklists
4. **Polish & Testing**
   * Mobile responsiveness
   * Performance optimization
   * Cross-browser testing

## **Technical Implementation Tips**

### **Essential APIs**

* **Leaflet.js** for maps (free, no API key needed)
* **OpenWeatherMap API** for weather data
* **Web Speech API** for Odia pronunciation (built-in browser feature)

### **Key JavaScript Features**

javascript

*// Single Page App routing*

*// localStorage for user progress(can use pop-up messages instead)*

*// Interactive quiz system*

*// Image lazy loading*

*// Smooth scrolling navigation*

### **Content Strategy(images,descriptions,layouts,etc)**

* Focus on 5-7 major tourist destinations initially (jisko jo destination pata he idea do and search it out…need images and descriptions on it)
* 10-15 basic Odia lessons with audio
* 3-4 traditional art forms (all have phone,laptop and internet…so search it out plz)
* All 30 districts for emergency info

### **Unique Selling Points**

* **Comprehensive** - Everything about Odisha in one place
* **Interactive** - Not just static information
* **Practical** - Real utility with weather/emergency features
* **Cultural** - Preserves and promotes Odia heritage
* **Accessible** - Works offline with cached data