**Project Proposal: Oval Marketplace.**

**Project Title:**

**Oval Marketplace.**

**Project Overview:**

Oval Marketplace is a dynamic, user-friendly web platform designed to connect buyers and sellers from around the world. It will showcase a diverse range of products, allow businesses to advertise, display real-time weather updates, and provide easy contact options—all while adhering to modern web standards and accessibility best practices.

**Objectives:**

1. Create a responsive and visually appealing website.
2. Display categorized products dynamically.
3. Integrate real-time weather updates on the homepage.
4. Include a directory page for firms to advertise their businesses.
5. Provide a clear “Contact Us” section with relevant information.
6. Ensure accessibility and usability across devices and browsers.

**Key Features:**

* **Hero Section with Weather Display:** Real-time weather fetched using a public weather API (e.g., OpenWeatherMap), prominently shown above the hero content.
* **Product Display:** Dynamically fetched products from a JSON file or API, displayed in a responsive grid layout.
* **Search Functionality:** A live search box for users to filter products by name or category.
* **Advertising Section:** A section on the directory page where verified businesses can promote their products or services with logos, contact info, and links.
* **Contact Us Section:** A dedicated section for site visitors to get in touch, view location/contact details, and learn how to join the marketplace.
* **Responsive Design:** Mobile-first approach with media queries for larger screens.
* **Accessibility Compliance:** Follows WAI-ARIA and WCAG guidelines to support all users.

**Target Audience:**

* Small and medium businesses
* Local producers and suppliers
* Global buyers and retailers
* Community members seeking regional services

**Website development Technologies Used:**

* **HTML/CSS:** For structure and responsive design
* **JavaScript:** For interactivity, dynamic content, and API fetching
* **JSON:** To store and manage product and advertiser data
* **APIs:** For real-time weather data (e.g., OpenWeatherMap)

**Timeline Estimate:**

| **Task** | **Duration** |
| --- | --- |
| Planning & Research | 1 week |
| HTML/CSS Structure | 1 week |
| JavaScript & API Integration | 1 week |
| Responsive Design & Accessibility | 1 week |
| Testing & Optimization | 1 week |
| Final Review & Deployment | 2–3 days |

**Success Criteria:**

* Website loads quickly and displays content without errors.
* Weather updates fetch correctly and display real-time data.
* All sections (products, ads, contact) render dynamically and are accessible.
* Website passes Lighthouse audits with strong scores for performance, accessibility, and best practices

### ****Reason for Choosing This Topic****

I chose to develop **Oval** **marketplace website** because it reflects niche and a growing trend in how people shop and connect with businesses worldwide. E-commerce has become an essential part of daily life, enabling customers to access a wide variety of products conveniently from anywhere in the world.

This project aligns with my interest in **web development** and my desire to create a practical problem solving website, real-world application that can be useful to both consumers and small businesses. An online marketplace not only allows me to apply and showcase my skills in **dynamic website creation, API integration, and responsive design**, but it also addresses the real need for businesses to promote their products and services effectively in the digital space.

Additionally, including features like **real-time weather data and advertising sections** enhances user experience and business engagement, making the website more interactive and valuable. Overall, this project challenges me to create a **functional, accessible, and user-friendly platform** while contributing positively to the local and global business community.