Member 1 — UI Layout & Base HTML Structure

Objective: Create a robust structural foundation for the weather application to ensure seamless integration of styling, dynamic updates, and interactivity.

Role and Importance: Member 1 defines the **placement and hierarchy of all elements** on the page. A logically organized, accessible HTML layout allows other members to style, script, and interact with the interface effectively.

Detailed Responsibilities: - Design headers, footers, and main content sections. - Include placeholders for city, temperature, humidity, wind, weather icons, and messages (loading, errors). - Assign unique IDs and classes for easy targeting by CSS and JS. - Ensure semantic HTML and accessibility standards. - Provide a skeleton layout that other members can immediately use.

Weekly Objectives & Milestones: - **Week 1:** Complete skeleton layout with placeholders. - **Week 2:** Add semantic sections and accessibility attributes. - **Week 3:** Finalize IDs/classes for seamless integration with other members.

Goal: Deliver a **fully structured HTML page** ready for styling, scripting, and dynamic updates.

Parallel Work & Dependency Management

Principles: - Define **module ownership** and **clear interfaces** for each member. - Use **skeleton HTML, placeholders, and mock data** to allow parallel work. - Maintain **weekly objectives** to track progress. - Integrate modules periodically to avoid conflicts. - Communicate daily to confirm status and resolve issues.

Result: Each member works independently, minimizes idle time, and contributes to incremental progress, ensuring smooth final integration.

Summary Table of Member Contributions

Member	Role Focus	Key Objective	Importance
1	Structure	Build HTML foundation	Allows styling and interactivity to work effectively
2	Visual Design	Style & make responsive	Ensures user-friendly, professional interface
3	Data	Fetch & provide weather data	Enables dynamic, real-time content
4	UI Updates	Display data dynamically	Translates raw data into visible, understandable info
5	Interaction	Connect input → data → UI	Makes app interactive and functional

This document can be split into five individual sections, each detailed enough to serve as a standalone guide for one member, including objectives, responsibilities, weekly goals, and integration strategies.