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Course: Multimedia Web Design

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### 1. Project Overview

The Weather App is a responsive web-based application developed as part of the Multimedia Web Design course. It provides users with up-to-date weather information for any city using the OpenWeather API. Designed with a user-centered interface that adapts to different screen sizes, ensuring a seamless experience on both desktop and mobile devices.

### 2. Technologies Used

- HTML5: Semantic structure for content organization
- CSS3: Styling with Flexbox/Grid, responsive design, hover effects
- JavaScript: DOM manipulation, Fetch API for external requests, form validation
- OpenWeather API: Real-time weather data
- Google Maps Embed: Location reference on contact page

### 3. Application Pages and Features

- Home Page: Central search function allowing users to input a city and retrieve current weather data.
- About Page: Information on the purpose and structure of the application.
- Contact Page: Contact form with input validation, embedded Google Map, and contact info.
- Feedback Section: Allows users to submit comments which are dynamically added to the interface.
- Animated Rain Background: Enhances visual appeal, aligns with weather theme.

### 4. Technical Highlights

- Responsive layout adapting to various screen sizes using media queries.
- Weather data dynamically loaded with JavaScript's Fetch API.

- JavaScript-based form validation (e.g., email format, message length).
- Interactive UI with hover effects and animated rain drops created via CSS and JS.
- All content, messages, and labels translated fully into English.

## 5. Conclusion

The Weather App fulfills all core requirements of the course project: real-time API integration, responsive layout, user input handling, and clean design. Additional enhancements such as the animated rain background and fully translated interface elevate the project beyond basic expectations. This project demonstrates competence in front-end development and attention to user experience.

