

Design document

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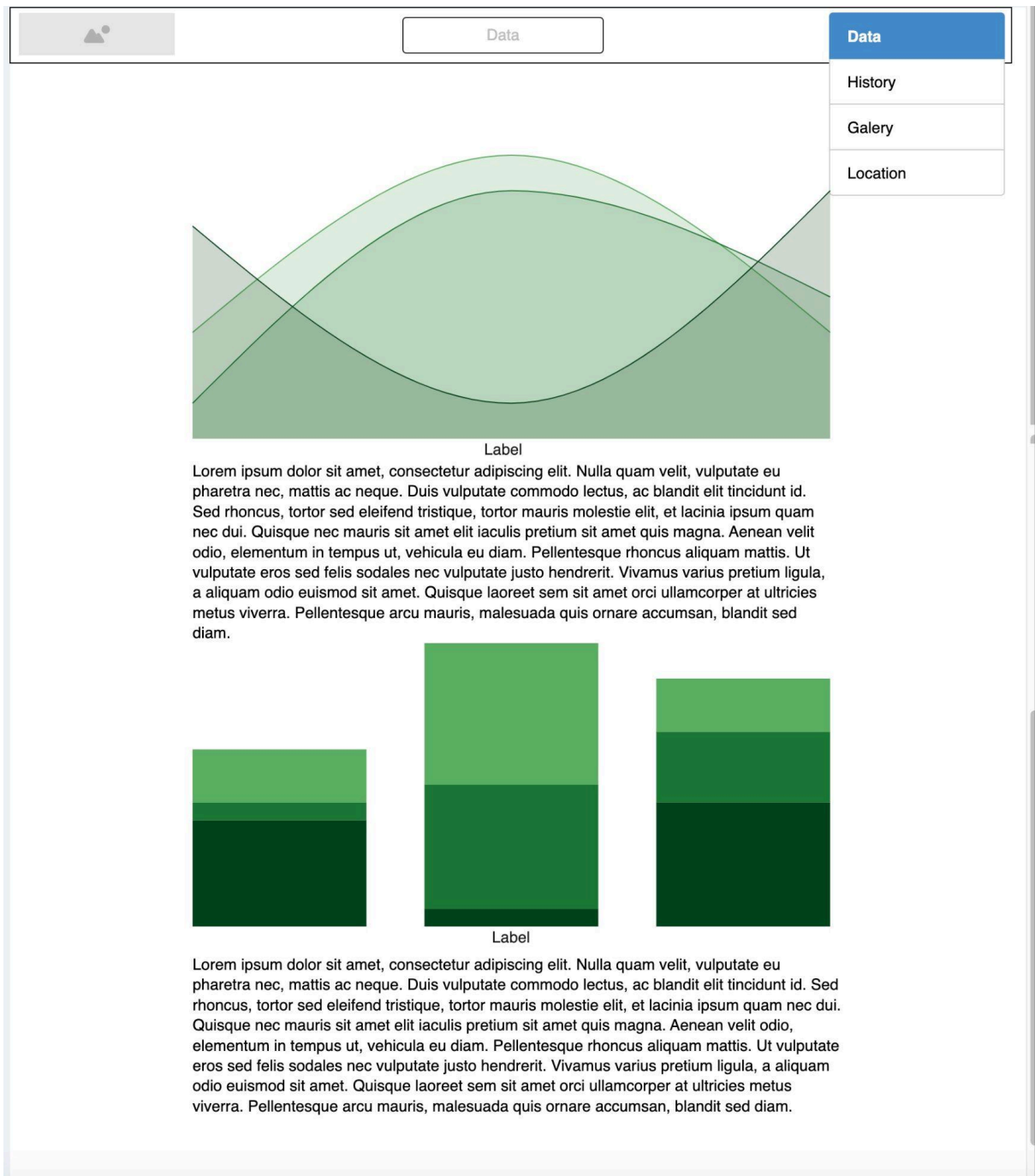
Universidad Panamericana De Guadalajara

DAW2: Web Development

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20 November 2024

Basic sketch



The mockup represents the modernized version of our proposed website for showcasing the current state and key features of Lake Chapala, inspired by the existing website of **CEA Jalisco**. The goal of this redesign is to enhance the user experience by providing an intuitive, visually appealing interface that emphasizes data accessibility, historical information, gallery features, and location tools. Below is an explanation of the design elements present in the mockup:

Navigation Bar

- A clear and simple **navigation bar** is placed at the top to allow users to seamlessly switch between key sections:
 - **Data:** Displays current metrics and visual representations of Lake Chapala, such as water levels and quality.
 - **History:** Offers historical context and data trends for the lake.
 - **Gallery:** Features images and videos of the lake, highlighting its beauty and significance.
 - **Location:** Provides maps and tools to explore Lake Chapala's geographical context and surrounding areas.
- The **active section (Data)** is highlighted in blue to help users identify their current position on the website.

Data Section

- The main focus of the mockup is the **Data section**, which prominently displays:
 - **Graphical Representations:** Modern graphs and charts to visualize key data such as water levels, rainfall, or environmental metrics. In the mockup, the graph showcases overlapping data curves for comparisons.
 - **Descriptive Labels and Context:** Each graph is accompanied by a descriptive label and paragraph that provide detailed insights into the displayed data. This ensures accessibility for users who may not be familiar with raw metrics.

Visual Hierarchy

- The page is divided into distinct sections to guide user attention:
 - **Graphs:** Placed at the top to prioritize the visual representation of data.
 - **Explanatory Text:** Located below the graphs to provide context and in-depth analysis.
 - **Additional Visualizations:** The second set of graphs (e.g., bar charts) and supporting descriptions offer alternative perspectives or related data.

Responsive Sidebar

- A collapsible **sidebar** is included on the right-hand side to facilitate quick navigation across the website. The design is compact and ensures that the main content remains in focus while still offering easy access to other sections.

Color Scheme and Design Language

- The use of a clean, minimalist design with green and blue tones reflects the natural and ecological focus of the project, aligning with Lake Chapala's significance.
- The layout prioritizes responsiveness and accessibility, ensuring a consistent experience across devices such as desktops, tablets, and smartphones.