**Summary of the US Natural Disasters Dashboard Design**

**Introduction**

The **US Natural Disasters Dashboard** is an interactive Shiny application designed to provide users with comprehensive insights into natural disasters in the United States from 2003 to 2023.

**Overview of the Dashboard**

The dashboard consists of four main tabs, each serving a distinct purpose:

1. **Map Tab**: Visualizes disaster counts across states using an interactive map and accompanying bar chart.
2. **Details Tab**: Allows users to analyse the top 5 disaster types within selected states and year ranges through a pie chart and a data table.
3. **Trend Tab**: Provides a line chart displaying disaster trends over time for selected states.
4. **About Tab**: Provides background information about the dashboard and data source.

**User Instructions**

* **Navigating Tabs**: Use the navigation bar at the top to switch between different sections of the dashboard.
* **Interacting with Visualizations**:
  + **Map Tab**: Click on a state in the map to update the bar chart with specific data.
  + **Details Tab**: Adjust the state selection and year range to update the pie chart and data table.
  + **Trend Tab**: Select one or more states to display their disaster trends over time.
* **Understanding the Data**: Hover over charts where applicable to view tooltips with additional information.

**Data Source**

The **US Natural Disaster Declarations** dataset is a summary of all federally declared disasters since 1953. The original data comes from the [FEMA website](https://www.fema.gov/openfema-dataset-disaster-declarations-summaries-v2). Only data from 2003 to 2023 has been used in the dashboard.

Data source URL: <https://www.kaggle.com/datasets/headsortails/us-natural-disaster-declarations?select=us_disasters_m5.csv>