**Group 3 - Project 3 Documentation**

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1. Scope of Project: Observe how natural disasters have changed over the years and how they may be caused due to climate change
2. Timeline: Day 1 & 2 => Data Cleaning from Csv file in Pandas

Day 3 & 4 => Create and ensure API is working. Start working on HTML and CSS

Day 5 & 6 => Finish creating Visualizations and HTML. Create Power point presentation.

1. Data Source:

* Csv file acquired from Kaggle, containing data of Natural Disaster from 1970 – 2021
* CSV file acquired from Kaggle containing data of Latitude and Longitude for every country and state
* CSV file acquired from Kaggle containing data of world coordinates

1. Steps:
2. Acquire dataset from Kaggle
3. Clean and filter the data into Pandas dataframe
4. Export the cleaned data to csv file
5. Convert csv file to tables in SQLite database
6. Create Python based API flask to connect to SQLite database and pull tables into classes and create routes for the tables required for HTML
7. Create HTML website, .js .css files.
8. Call the APIs and use Javascript to create the visualizations
9. Data Components:

* Python
* SQLite
* Flask
* HTML
* Javascript
* CSS

1. Roles and Responsibilities:

Ajani: Data Acquisition, Data cleaning, Data transformation, Powerpoint presentation, READme documentation

Ryan: Data Acquisition, HTML creation, Javascript, CSS, Creating Visualizations

Subiksha: Data Acquisition, Data Transformation, Database (SQLite) creation and connectivity, Flask creation, Help with Visualization