

# **Project Documentation**

## **Table of Contents**

- Introduction
- Installation
- Usage
- Features
- Dependencies
- API Documentation
- Contributing
- License

## **Introduction**

This project is a ReactJS application that fetches a large amount of data asynchronously from various APIs and displays it in a table format using the React Table library. It provides features such as global filtering, pagination, and column filtering to enhance data exploration and visualization.

## **Installation**

To install and run the project locally, follow these steps:

- Clone the repository
- git clone [https://github.com/Madhur3006/GOT\\_CODRV](https://github.com/Madhur3006/GOT_CODRV)
- Navigate to the project directory:
- cd project-directory
- Install the dependencies:
- npm install
- Usage
- To start the development server and view the project in your browser, use the following command:
- npm start
- Access the application at <http://localhost:3000> in your browser.

## **Features**

- Fetching Data Asynchronously
- The project efficiently fetches a large amount of data from various APIs asynchronously using the Promise.all method. This ensures improved performance and responsiveness.

- React Table
- The project utilizes the React Table library to display the fetched data in a table format. React Table provides customizable and feature-rich tables that enhance data presentation and interaction.
- Global Filtering
- The table supports a global filter that allows users to search across all columns simultaneously. This makes it easier to find specific data entries within the large dataset.
- Pagination
- The table implements pagination, enabling users to navigate through the dataset in manageable chunks. It improves performance by rendering only a subset of data at a time.
- Column Filtering
- Users can apply column-specific filters to search for data within a particular column. This filtering mechanism allows users to refine their search and focus on specific data points of interest.

## Dependencies

The project relies on the following dependencies:

- React
- React Table
- axios

These dependencies are automatically installed when following the installation steps mentioned above.