COVID TRACKER

EPICS PROJECT

INTRODUCTION

Covid-19 has put the world to a standstill. Doctors, healthcare workers and personnel of many other essential services are fighting at the frontline to tackle this global pandemic. Although we are not fighting the battle at the frontline, as students of Engineering this is our humble attempt at partaking in the struggle. Therefore, we are making a COVID-19 tracking application that will help people take preventive measures against covid.

We will fetch the data from :

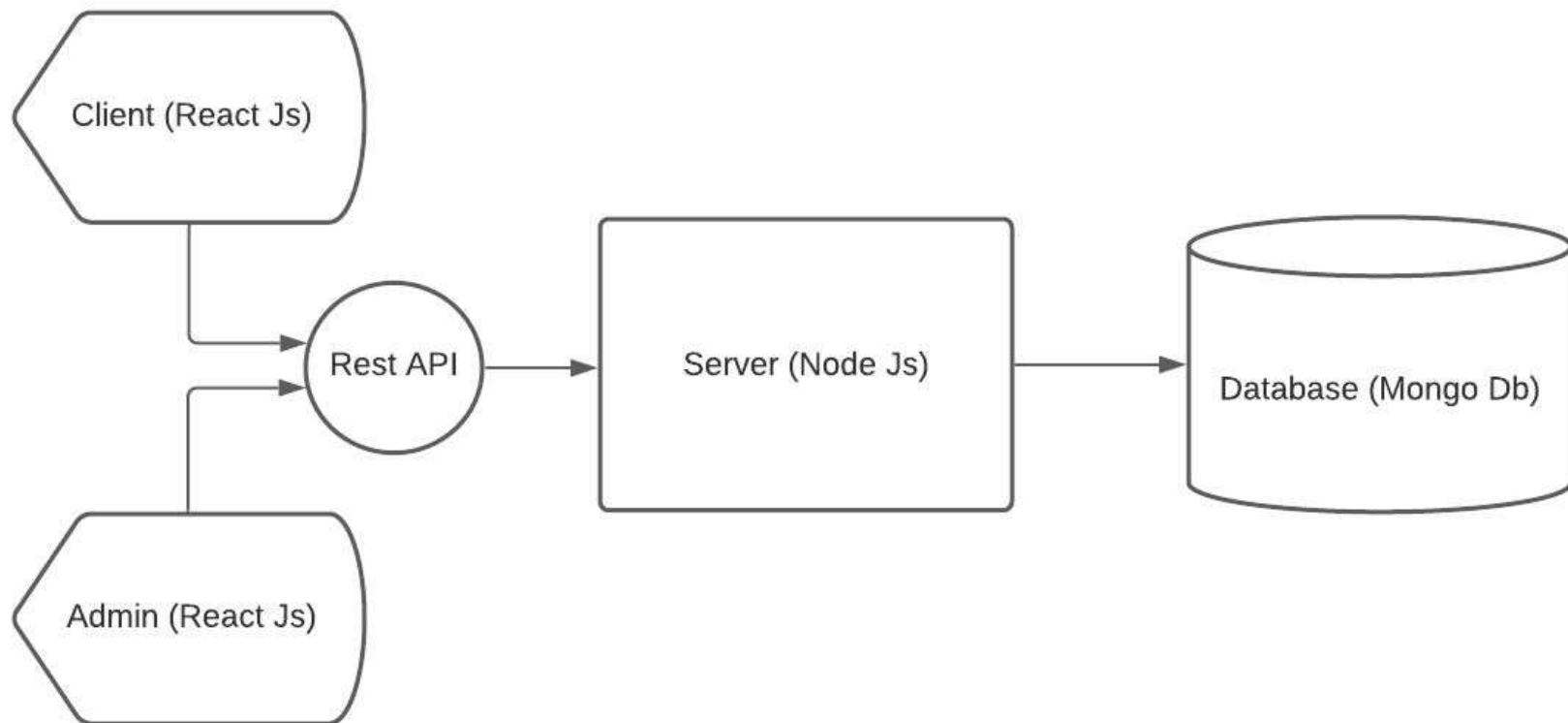https://postman-toolboxes.github.io/covid-19/#featured-collections
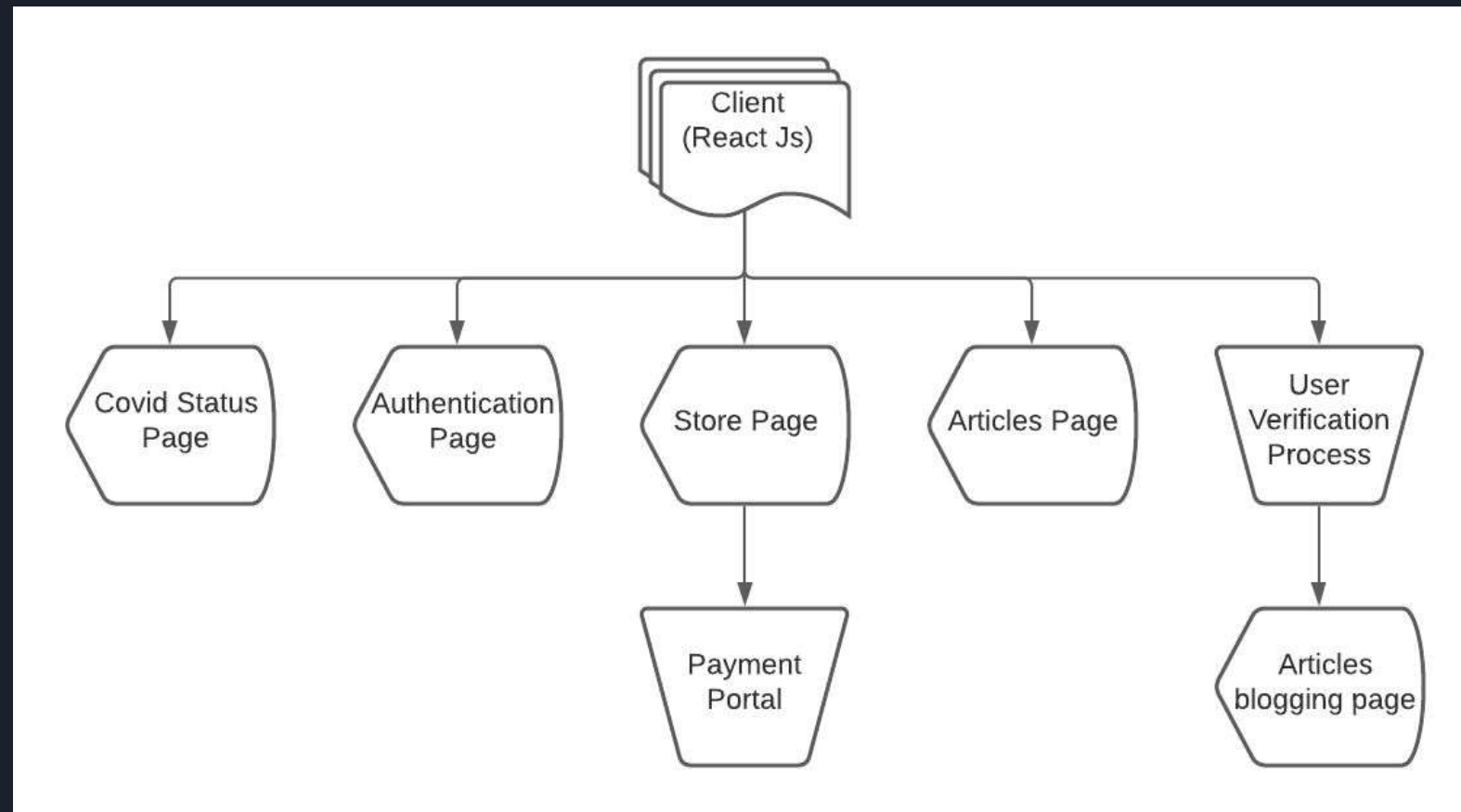
OBJECTIVE/PROBLEM STATEMENT

Tracking covid data is a necessity in the scenario we are today and as a community project we wanted to create a project which could be useful for masses and not so complicated in the same time . the problem statement is to create a simplistic covid tracker which can give an overview of the count of covid cases in india and world.

With arrival of omicron in india the count of covid patient is sort of becoming a necessity in today time and our project will help people track the count.
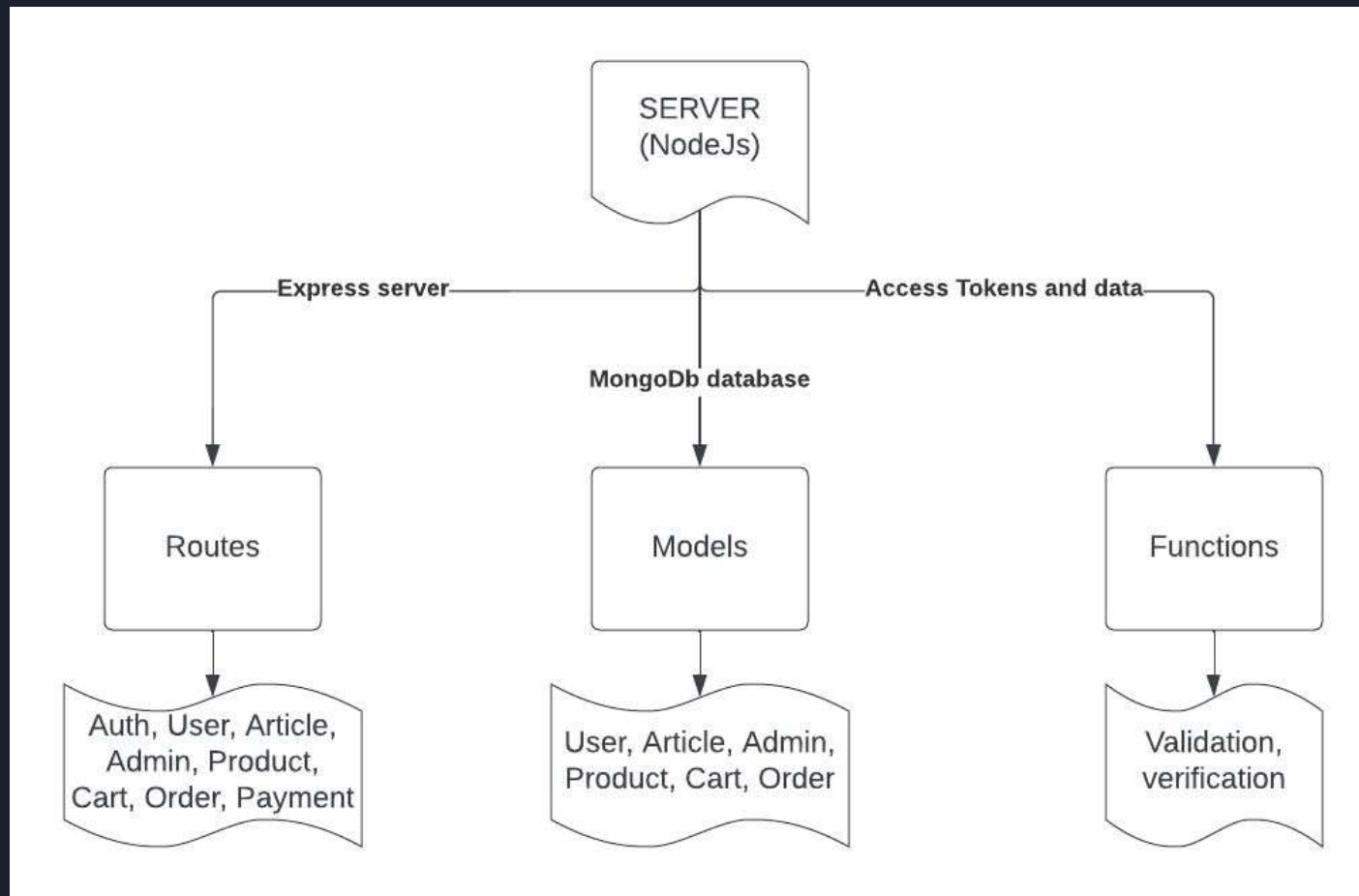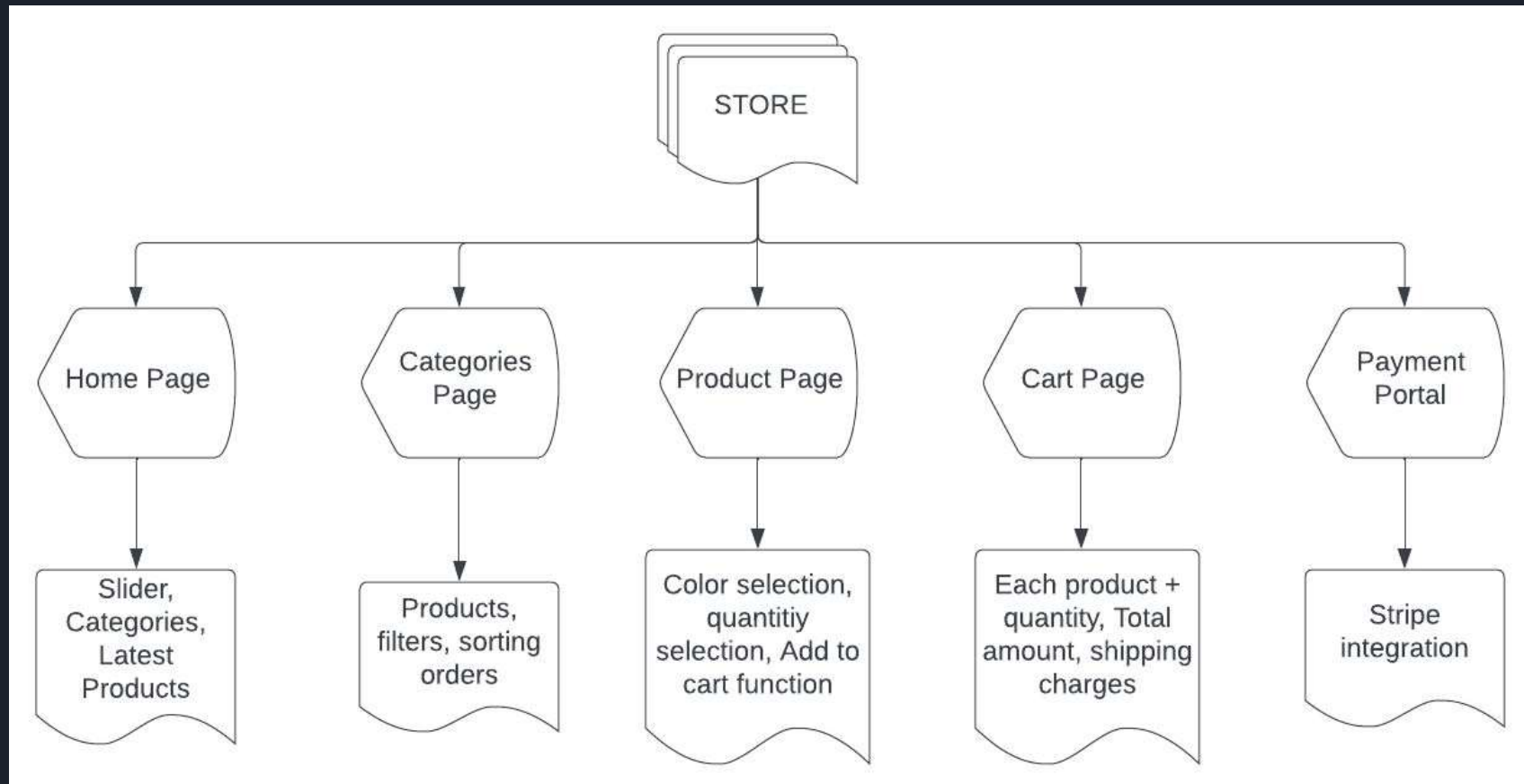
Project Architecture

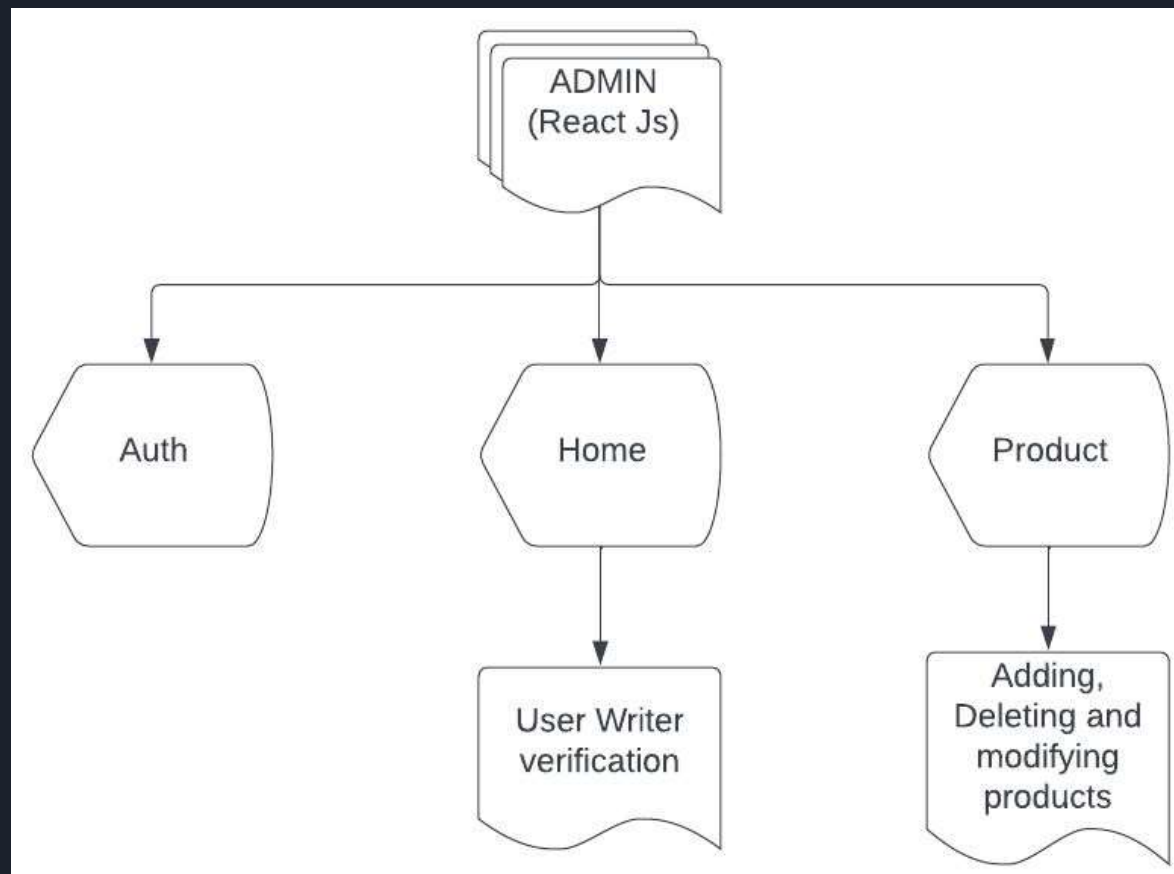# Client Side Architecture

Server Architecture

Store Architecture

Admin Side Architecture

Technology used for the current work

- Front-end (Client & Admin):
  - React (Javascript and Html)
  - Redux (State management)
  - CSS
  - Material UI
  - React-chartjs-2
  - React-google-charts
  - Stripe (Payment gateway)
- Back-end (Server):
  - Node js
  - Express (server library for node js)
  - JWT (JsonWebToken)
  - Mongoose (MongoDb Driver)
  - BcryptJs (hashing passwords)
  - Nodemailer (emailing OTP)
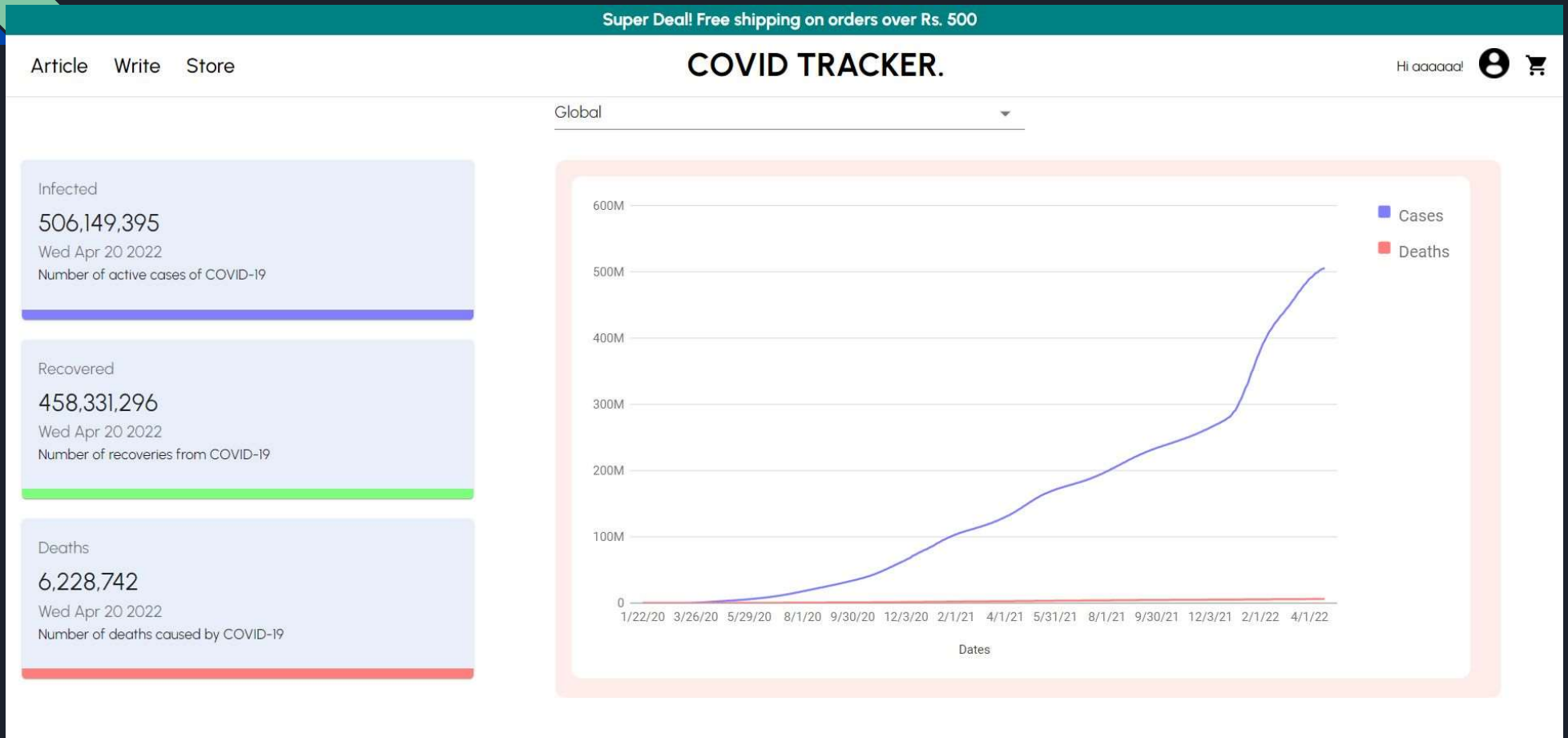- Database: MongoDb Atlas Server

OUTCOME

Currently our project performs the following functions:

- Displays covid tracking data of the globe and each countries. This helps people identify whether they are in a safe area and also lets them know which places they shouldn't visit during these pandemic times.
- Allows users to become verified and post articles related to covid. Helping people spread awareness. The spread of misinformation is also reduced because only verified users can post articles.
- Allows users to buy covid preventive products that might be unavailable in their area due to the spread of covid.

Covid Global Data in Client Side

Sign Up page

COVID TRACKER   Article   Write   Store   SIGN UP   LOG IN

Name

Email

Password

Re-Password

SIGN UP

Article Section

The Rise and Impact of COVID-19 in India and Global Economy

The coronavirus disease (COVID-19) pandemic, which originated in the city of Wuhan, China, has quickly spread to various countries, with many cases having been reported worldwide. As of May 8th, 2020, in India, 56,342 positive cases have been reported. India, with a population of more than 1.34 billion—the second largest population in the world—will have difficulty in controlling the transmission of severe acute respiratory syndrome coronavirus 2 among its population. Multiple strategies would be highly necessary to handle the current outbreak; these include computational modeling, statistical tools, and quantitative analyses to control the spread as well as the rapid development of a new treatment. The Ministry of Health and Family Welfare of India has raised awareness about the recent outbreak and has taken necessary actions to control the spread of COVID-19. The central and state governments are taking several measures and formulating several wartime protocols to achieve this goal. Moreover, the Indian government implemented a 55-days lockdown throughout the country that started on March 25th, 2020, to reduce the transmission of the virus. This outbreak is inextricably linked to the economy of the nation, as it has dramatically impeded industrial sectors because people worldwide are currently cautious about engaging in business in the affected regions.

Latest Articles

The Rise and Impact of COVID-19 in India and Global Economy

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Total	**₹ 660.00**

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