



**TEAM DELUMINATORS**

# team.



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# Problem Statement

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Post-Lockdown, it will be risky to allow the public transportation without proper mechanism to maintain the social distancing, especially the frequency of buses, trains and metros shall be managed properly to utilize the capacity with social distancing criteria. The transport authorities must integrate together to maintain the system properly.

Enter Bravel!

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An Advanced smart mobile application for scheduling and reservation of travel journeys.

Has numerous features such as crowd prediction alerts, a unique delivery chain system, bulk travel management.

All in one Bravel provides a complete solution for post lockdown travel management considering both ease and safety

Has miscellaneous facilities such as social distancing reminder, authorities reporting, support for injourney sellers.



# Architecture



# TECH STACK

01

## Technologies

- IBM Watson NLP Classifier
- IBM Watson Tone Analyzer
- IBM Watson Assistant
- Google Sheets

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## Frameworks

- ReactJS
- React Native
- NodeJS
- MongoDB
- Google Driver Framework

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## APIs

- Twitter Standard Search API
- Twitter Steaming API
- Google Sheets API
- Google Maps API
- Reverse Geolocation API

# UI/UX

The mobile application was developed by the cross-platform framework React Native with the backend supported by NodeJS and ExpressJS, while the database was managed using MongoDB. The whole project was developed keeping in mind the essentials of ease of end user with simple and easy to use interface.

The chatbot was developed using the IBM Watson Assistant and was integrated for a making an easy to use platform for the end users to make use of all the features.

We also aim to make a notification based telephony system for people without smart phones to still use the application with use of IBM Watson studio.







**thank you.**

