NEXT BUS | Project Abstract

The Next Bus Project intends to make accessible to the daily traveler, information regarding bus schedules. To the casual bus riders around the country, no matter how acquainted they are with the current bus schedules. They would like to know how far away the bus is and how long they have until their bus arrives at the stop. Next Bus intends to make that a reality.

The Next Bus Project involves simple User Interaction to bring to the user information about any bus service in the state and expected start times and destination ETA.

The users involved in the project fall into the following categories.

* Admins – These are the users that manage the content and the amount of data that the system is supposed to handle. They have immense control over data and analytics that go into the system.
* Casual Users – These are the users that avail the services of that app to make use of the information that they have. These are the default user types that are assigned to every new user in the system.
* Support Users – Casual Users could sign up to be a support user in which case, they would have options for data entry and support to provide data about the daily commute. Casual Users request to join the Support User team. Either admins could grant Support permissions or bots could handle these requests based on quality usage of Casual users.
* Transport Users – These are Users that provide commute services. They have an overview of how their statistics stand and can view information about how well received their service is with the community. Admins have to explicitly confirm Transport users and make sure the information collected from these users are up to point. Since these are the information that is supposed to be of use for the Casual users.

The project can be extended with support for live tracking and predictions as to where and when the buses would be.

All users will have permissions to bring to notice any road casualties or road blocks.