Input-based Transport Enquiry System

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Problem Statement:
One of the common challenges faced by commuters is the time-consuming process of gathering information about available transport options. This problem is particularly prevalent at crowded transport terminals such as bus stands, railway stations, and airports. Long queues often form in front of the information terminal, where the commuters seek information about various methods of transportation. This not only consumes valuable time but also leads to frustration among commuters due to the inherent inefficiency of the system.

Solutions
To address this issue, we propose the development of an input-based transport system. This tool impacts modern society by providing commuters with a convenient and efficient way to access transport information.

Main users:
The users of such an application could be all commuters, perhaps a more realistic view would be more tech-savvy individuals and young people, who find information on an app or screen more preferable than to ask for directions or use signs that have been plastered on walls.

Features:
The key features of the input-based system include:

Database backend to store and retrieve transport information: Utilizes a robust database management system to store and manage information about available transport options.

Integration with transport databases or APIs for real-time data: Fetches real-time information from external sources such as transport databases or APIs, ensuring the accuracy and timeliness of responses.

Source of data:
As a data source, we will use government-available information regarding infrastructure, this will include buses, trains, and airports. To complement this we will calculate the speed of travel on foot relative to distance and average walking speed of an adult.