Voice Based Automated Transport Enquiry System

Introduction

A Voice Based Automated Transport Enquiry System is effective in a variety of ways. It can assist the user in travel planning and reduce time spent in waiting for the buses. It removes the necessity of a human resource at the help desk and can help updating the bus schedules over voice. It is an inexpensive system as no monitoring is necessary for running the system. Government run public transport services through this system would be able to work efficiently attracting more customers and reducing costs. If a person visits a new place it is really hard for him/her to find a route and available transport to reach their destination and not knowing the local language further makes it difficult for them. This system provides the interface for non-locals as well as locals to easily query the schedule and plan accordingly.

Functionality

There will be two seperate logins provided, one for general users and the other for the administrator. The administrator will have permission to add, update and delete any bus routes from the database. General users will only have permission to view the contents of the database. When a user wants to know the available buses in a region, they can provide the source and destination of travel as a voice command and the input is parsed as a query and sent to the server and the appropriate information is retrieved from it. The information about the buses to the user's destination is provided in the form of voice as well as displayed on the screen. Users can reserve and cancel tickets based on their availability. The user will be able to see the details of all the possible ways to reach the destination including fare details, ETA and distance. They can even track current locations of the bus,

Modules

- Administrator Login
- Transport Info Entry
- Transaction Report
- Customer Registration
- Customer Login
- Result in Text-to-Speech and UI Display

Benefits

- Simple and easy to use interface
- Voice enabled database updation and retrieval
- No necessity of a human resource
- Software availability round the clock
- Ability to select the best possible route to optimize cost and time.

Name of the Team: *Delos Destinations*

Sno	RollNo	Name	Role (Project leader, Designer, Developer, Test & Document)
1	CB.EN.U4CSE17119	HARE SANKARAN R.V.	Leader
2	CB.EN.U4CSE17105	AKASH G.	Designer
3	CB.EN.U4CSE17120	HIMANSHU KUMAR	Developer
4	CB.EN.U4CSE17129	SAI TRINADH	Testing and Documenting

Development Platform:

- Database   :   PostgreSQL
- User Interface   :   JAVA

Approved By:

Signature of Class Handling Faculty: