Analysis Report-Travel Aid for Blind

Modules

1)Client side module

The working of the two modules associated with the Client side are: -

(a) User Module: It is installed on the smart phone of the user. When this module is activated, it automatically tracks the location of the user via GPS Locator. This information is then transferred to the Server along with the destination uttered to the module via Google Speech to Text converter.

(b) Bus Module: This module tracks the location of the bus and updates the Server, as latitude and longitude.

2)Server Side Module

Admin module, the Server side module which governs the bus database and the updates it. This module answers the query posted from the client modules which are connected in the network.

Actors and Roles

a) Admin

The person who control the web application was admin. He had the responsibility to add bus details, route of the bus and bus stops inside the system.

b) User

The blind person will be the user. He/She can apply a code through voice to open the application. He can add Emergency number if required. Also he can able to search the destination and about those particular bus details like timing, bus number, bus type etc.