**VOICE BASED AUTOMATIC TRANSPORT**

**ENQUIRY SYSTEM**

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**DFD *Symbols***

A “ Square” defines a source (originator) or destination of a system data.

An “Arrow” identifies data in flow. It is pipeline through which information flows.

A “Circle” represents a process that transforms incoming data flow(s) into outgoing data flow(s).

D

Represents Data store/Table name

**Data Flow Diagrams**

**LEVEL 0**

**Admin**

**Admin**

****

**Voice Based**

**Automatic Transport**

**Enquiry System**

****

**User**

**User**

**LEVEL 1**

**ADMIN**

**1.0**

Login

**2.0**

Add Bus

Type

****

****

**Admin**

**3.0**

Add Buses

****

****

****

**4.0**

Add Routes

**Admin**

**Admin**

****

****

**5.0**

Trip

Scheduling

****

****

****

**6.0**

Trip Cancel

****

**7.0**

Add New

User

****

****

**8.0**

Change

Password

**9.0**

Logout

**LEVEL 1**

**USER**

****

**User**

**1.0**

Enquiry

**User**

**LEVEL 2**

**ADMIN**

1. **Login**

****

D

**1.0**

Login

**Admin**

****

Useraccount Table

1. **Add Bustype**

****

D

**2.0**

Add Bustype

**Admin**

****

Bustype Table

1. **Add Buses**

Bus Table

D

****

**3.0**

Add Buses

**Admin**

****

****

****

D

Bustype Table

1. **Add Routes**

****

D

**4.0**

Add Routes

**Admin**

****

Routes Table

1. **Trip Scheduling**

Bus Table

D

****

****

**5.0**

Trip

Scheduling

D

**Admin**

****

Trip Table

****

****

Route Table

D

1. **Trip Cancel**

****

D

**6.0**

Trip Cancel

**Admin**

****

Trip Table

1. **Add New User**

****

D

**7.0**

Add New

User

**Admin**

****

Useraccount Table

1. **Change Password**

****

**8.0**

Change

Password

D

**Admin**

****

Useraccount Table

**LEVEL 2**

**USER**

1. **Enquiry**

****

**1.0**

Enquiry

D

**User**

****

Trip Table

**ER Diagram**

An entity relationship diagram (ERD) is a data modelling technique that graphically illustrates an information system’s entities and the relationships between those entities. An ERD is a conceptual and representational model of data used to represent the entity framework infrastructure.

The elements of an ERD are:

* Entities
* Relationships
* Attributes

Bus

Bus Type

Add

User

Admin

View

Add

Route

Trip

**USECASE DIAGRAM**

A Use case diagram is a dynamic or behavior diagram in UML. Use case diagram model the functionality of a system using actors and use cases. Use cases are set of actions, services, and functions that the system needs to perform. In this context, a “system” is something being developed or operated, such as web site. The “actors” are people or entities operating under defined roles within the system.

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system

Use case

Actor

Relationships

**Use case diagram for Admin**

Add New User

Login/Logout

Add Bustype

Add Bus

Add Routes

Trip Scheduling

Admin

Trip Cancel

Change Password

****

Useraccount

Table

**1.0**

Login

D

****

****

**2.0**

Add Bustype

D

****

Bustype Table

****

****



Bus Table

D

****

**3.0**

Add Buses

****

D

Bustype Table

****

****

**4.0**

Add Routes

D

****

**Admin**

Routes Table

D

Bus Table

****

****

****

**5.0**

Trip

Scheduling

D

****

Trip Table

****

****

D

Route Table

****

****

**6.0**

Trip Cancel

D

****

Trip Table

****

Useraccount

Table

**7.0**

Add New

User

D

****

****

Useraccount

Table

**8.0**

Change

Password

D

****