

- **EXTENSIBILITY:**

The system should have extensible coding that helps the system to work on different browser and also android OS in future.

- **REUSABILITY:**

The reusability of code is such in the sense that the distance travelled by the person or a group of person will helps to use the calculation of amount generated in the fair in appropriate currency.

The mapping of multiple time to particular distance will pop up the address in search tool.

- **RESOURCE UTILIZATION:**

The system should utilize the resources like Google map or satellite view for the generating of map of city or navigation purpose.

The system may utilize the detail of user for the transaction of the bank or case on delivery mode and register as the visitor of the system.

- ❖ **OPERATIONAL SCENARIO:**

System should operate through any mode of communicating device whether it may be online or offline device.

- ❖ **PRELIMINARY REQUIREMENT:**

Initially the system should requires the high server connectivity which accept the multiple user request and process parallel to the address person and which update the client information database device and algorithms which fasten the searching speed of booking a taxi whether offline or online.

The system should require a caller center support for the offline request of taxi and other request related to the system.

Practical – 4

AIM: To study about Data-dictionary.

Variable name	Variable type	Variable Array	Optional	Values/notes	Description
ID	Numeric	1	Not	001-900	ID number of Customer
NAME	Text	30	Not	*	Name of Customer
AGE	Numeric	1	Not	10-100	Age of Customer
DOB	dd/mm/yyyy	-	Not	1-31 / 1-12 / 1900-2015	Birthdate of Customer
SEX	Numeric	1	Not	1=male 2=female	Gender of Customer
STATE	Text	15	Yes	*	State of Customer
CITY	Text	15	Yes	*	City of Customer
ADDR	Text	50	Yes	*	Address of Customer
LOCF	Text	15	Not	*	Starting Point
LOCT	Text	15	Not	*	Delivery Point
LATD	Numeric	1	Not	(-90) - 90	GPS Position of Vehicle Latitude & Longitude
LOTD	Numeric	1	Not	(-180) - 180	
PH_NO	Numeric	10	Not	0000000000-9999999999	Customer's Contact No
PASS_NO	Numeric	1	Not	1-15	Number of passengers
V_TYPE	Text	15	Yes	*	Type of Vehicle
TARIFF	Numeric	1	Not	*	Cost of Transportation
DISC	Numeric	1	Yes	*	Special Discount
COMM	Text	50	Yes	*	Comments

Practical – 5

AIM: To prepare Data Flow Diagram.

Level-0 (Context-level) DFD for Taxi Booking function.

