Traffic Monitoring System Activity Diagram

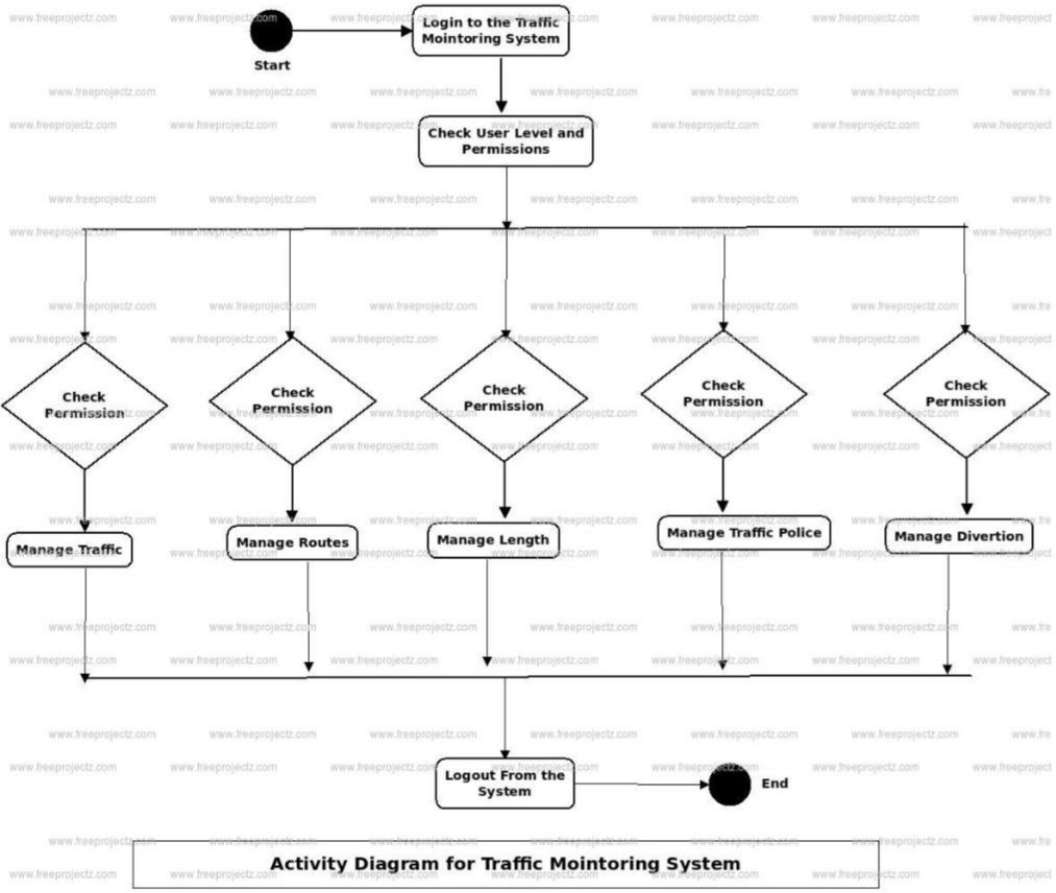
Posted By freeproject on March 13, 2018

This is the **Activity UML diagram of Traffic Monitoring System** which shows the flows between the activity of Length, Traffic, Divertions, Traffic Polices, Routes. The main activity involved in this **UML Activity Diagram of Traffic Monitoring System** are as follows:

- Length Activity
- Traffic Activity
- Divertions Activity
- Traffic Polices Activity
- Routes Activity

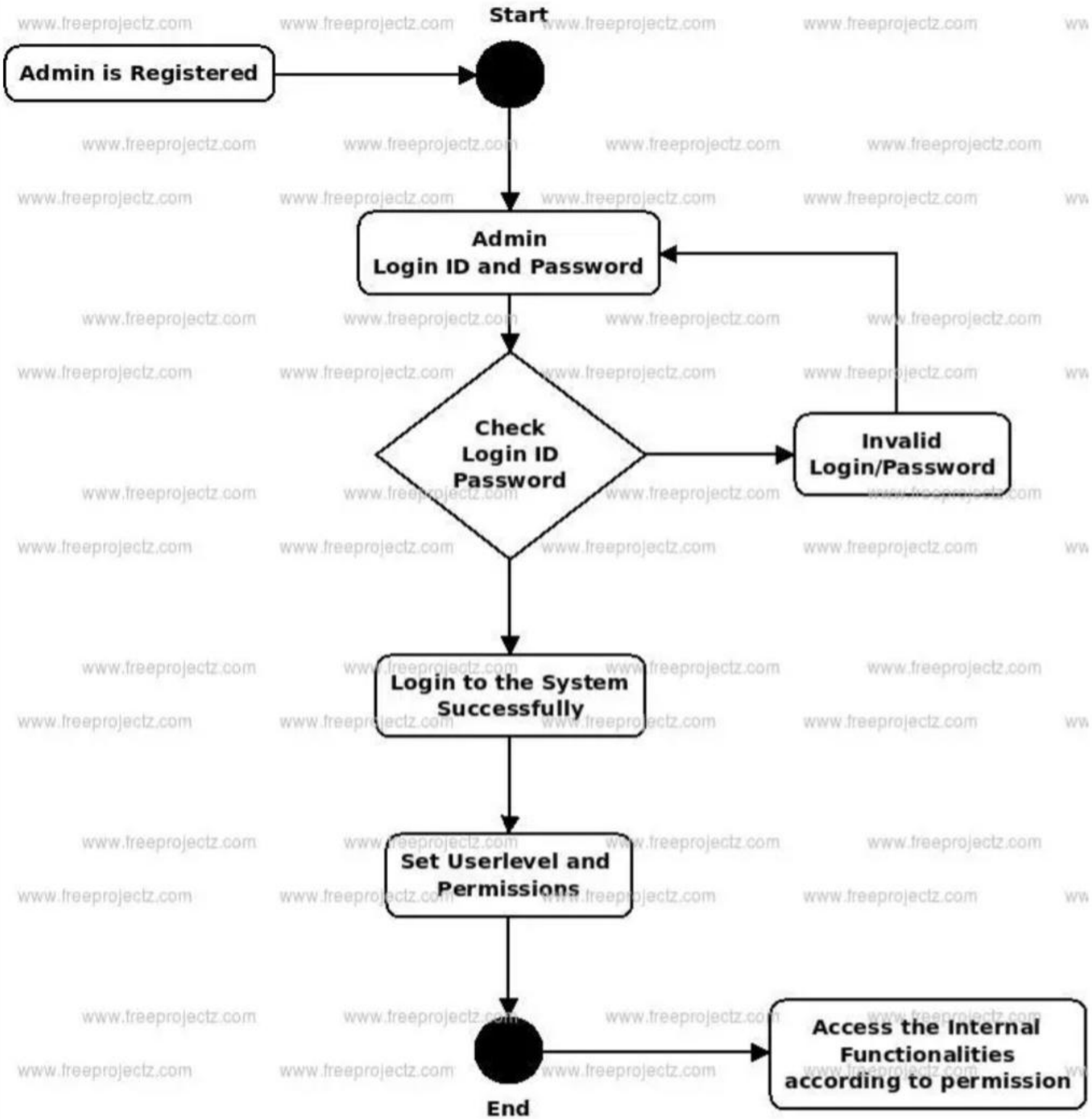
Features Of The Activity UML Diagram Of Traffic Monitoring System

- Admin User can search Length, view description of a selected Length, add Length, update Length and delete Length.
- Its shows the activity flow of editing, adding and updating of Traffic
- User will be able to search and generate report of Divertions, Traffic Polices, Routes
- All objects such as (Length, Traffic, Routes) are interlinked
- Its shows the full description and flow of Length, Traffic Polices, Routes, Divertions, Traffic



Login Activity Diagram Of Traffic Monitoring System:

This is the **Login Activity Diagram of Traffic Monitoring System**, which shows the flows of Login Activity, where admin will be able to login using their username and password. After login user can manage all the operations on Divertions, Length, Traffic, Routes, Traffic Polices. All the pages such as Traffic, Routes, Traffic Polices are secure and user can access these page after login. The diagram below helps demonstrate how the login page works in a Traffic Monitoring System. The various objects in the Routes, Divertions, Length, Traffic, and Traffic Polices page—interact over the course of the Activity, and user will not be able to access this page without verifying their identity.


Start
Admin is Registered
Admin
Login ID and Password
Check
Login ID
Password
Invalid
Login/Password
Login to the System
Successfully
Set Userlevel and
Permissions
Access the Internal
Functionalities
according to permission
End

Traffic Monitoring System Class Diagram

Posted By freeproject on August 2, 2017

Traffic Monitoring System Class Diagram describes the structure of a Traffic Monitoring System classes, their attributes, operations (or methods), and the relationships among objects. The main classes of the Traffic Monitoring System are Traffic, Routes, Length, Traffic Polices, Divertions, Vehicle Types.

Classes of Traffic Monitoring System Class Diagram:

- **Traffic Class** : Manage all the operations of Traffic
- **Routes Class** : Manage all the operations of Routes
- **Length Class** : Manage all the operations of Length
- **Traffic Polices Class** : Manage all the operations of Traffic Polices
- **Divertions Class** : Manage all the operations of Divertions
- **Vehicle Types Class** : Manage all the operations of Vehicle Types

Classes and their attributes of Traffic Monitoring System Class Diagram:

- **Traffic Attributes** : traffic_id, traffic_name, traffic_type, traffic_description
- **Routes Attributes** : route_id, route_name, route_type, route_description
- **Length Attributes** : length_id, length_name, length_type, length_description

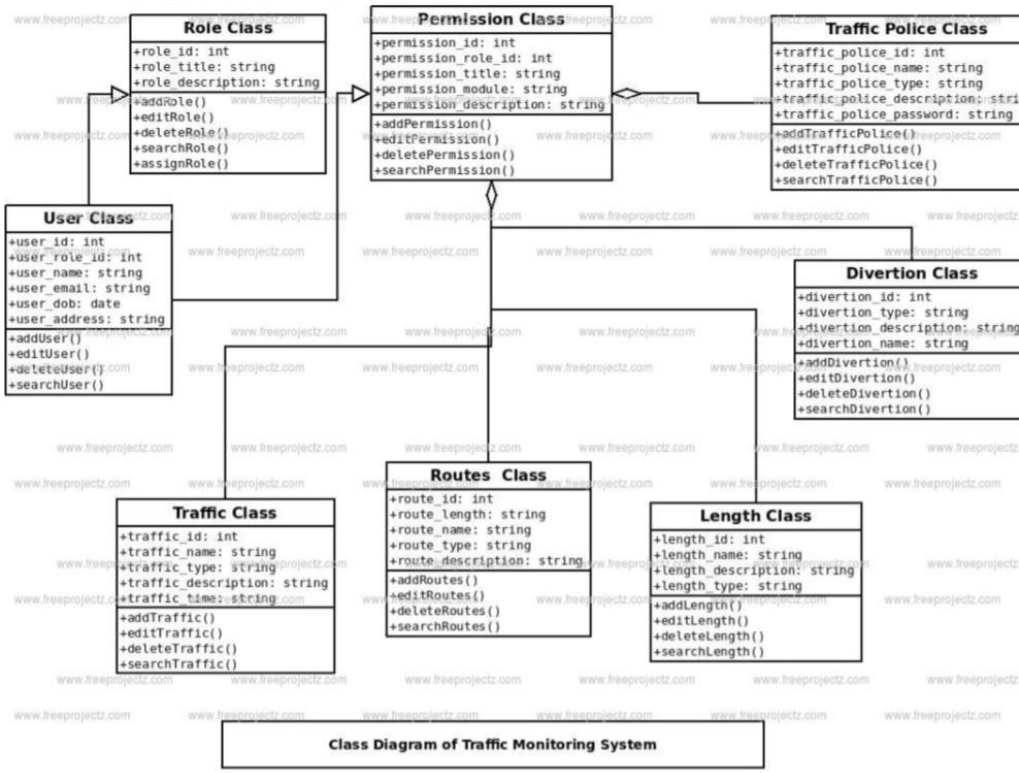
- **Traffic Polices Attributes** : traffic_police_id, traffic_police_college_id, traffic_police_name, traffic_police_mobile, traffic_police_email, traffic_police_username, traffic_police_password, traffic_police_address
- **Divertions Attributes** : divertion_id, divertion_name, divertion_type, divertion_description
- **Vehicle Types Attributes** : vehicle_type_id, vehicle_type_customer_id, vehicle_type_number, vehicle_type_description

Classes and their methods of Traffic Monitoring System Class Diagram:

- **Traffic Methods** : addTraffic(), editTraffic(), deleteTraffic(), updateTraffic(), saveTraffic(), searchTraffic()
- **Routes Methods** : addRoutes(), editRoutes(), deleteRoutes(), updateRoutes(), saveRoutes(), searchRoutes()
- **Length Methods** : addLength(), editLength(), deleteLength(), updateLength(), saveLength(), searchLength()
- **Traffic Polices Methods** : addTraffic Polices(), editTraffic Polices(), deleteTraffic Polices(), updateTraffic Polices(), saveTraffic Polices(), searchTraffic Polices()
- **Divertions Methods** : addDivertions(), editDivertions(), deleteDivertions(), updateDivertions(), saveDivertions(), searchDivertions()
- **Vehicle Types Methods** : addVehicle Types(), editVehicle Types(), deleteVehicle Types(), updateVehicle Types(), saveVehicle Types(), searchVehicle Types()

Class Diagram of Traffic Monitoring System :

Class Diagram Image:



Traffic Controller System Component Diagram

Posted By freeproject on February 8, 2018

This is a **Component diagram of Traffic Controller System** which shows components, provided and required interfaces, ports, and relationships between the Traffic Polices, Length, Traffic, Traffic Light and Divertions. This type of diagrams is used in Component-Based Development (CBD) to describe systems with Service-Oriented Architecture (SOA). **Traffic Controller System UML component diagram**, describes the organization and wiring of the physical components in a system.

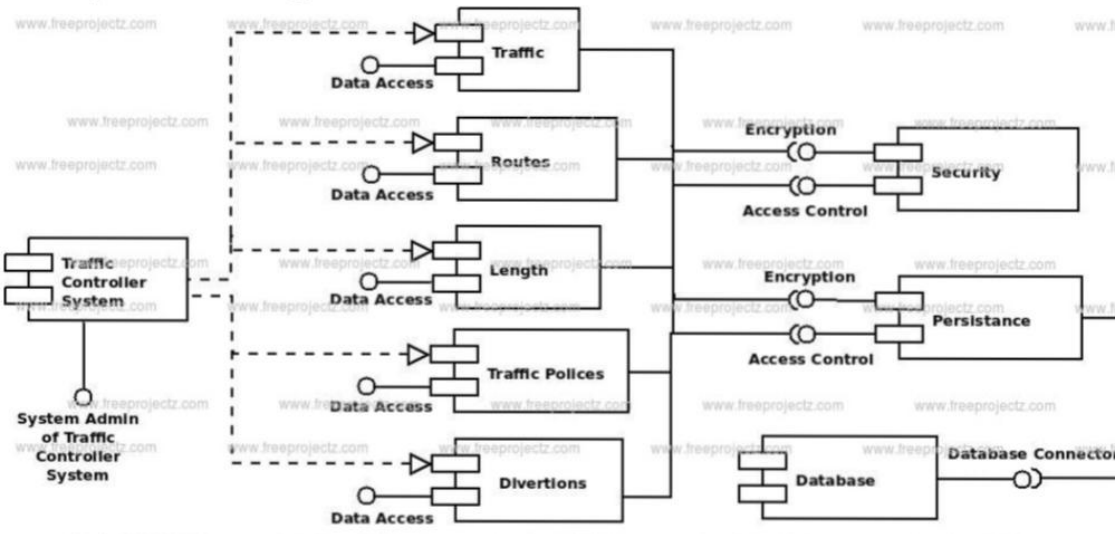
Components of UML Component Diagram of Traffic Controller System :

- Traffic Polices Component
- Length Component
- Traffic Component
- Traffic Light Component
- Divertions Component

Featues of Traffic Controller System Component Diagram:

- You can show the models the components of Traffic Controller System .
- Model the database schema of Traffic Controller System
- Model the executables of an application of Traffic Controller System
- Model the system's source code of Traffic Controller System

Component Diagram:



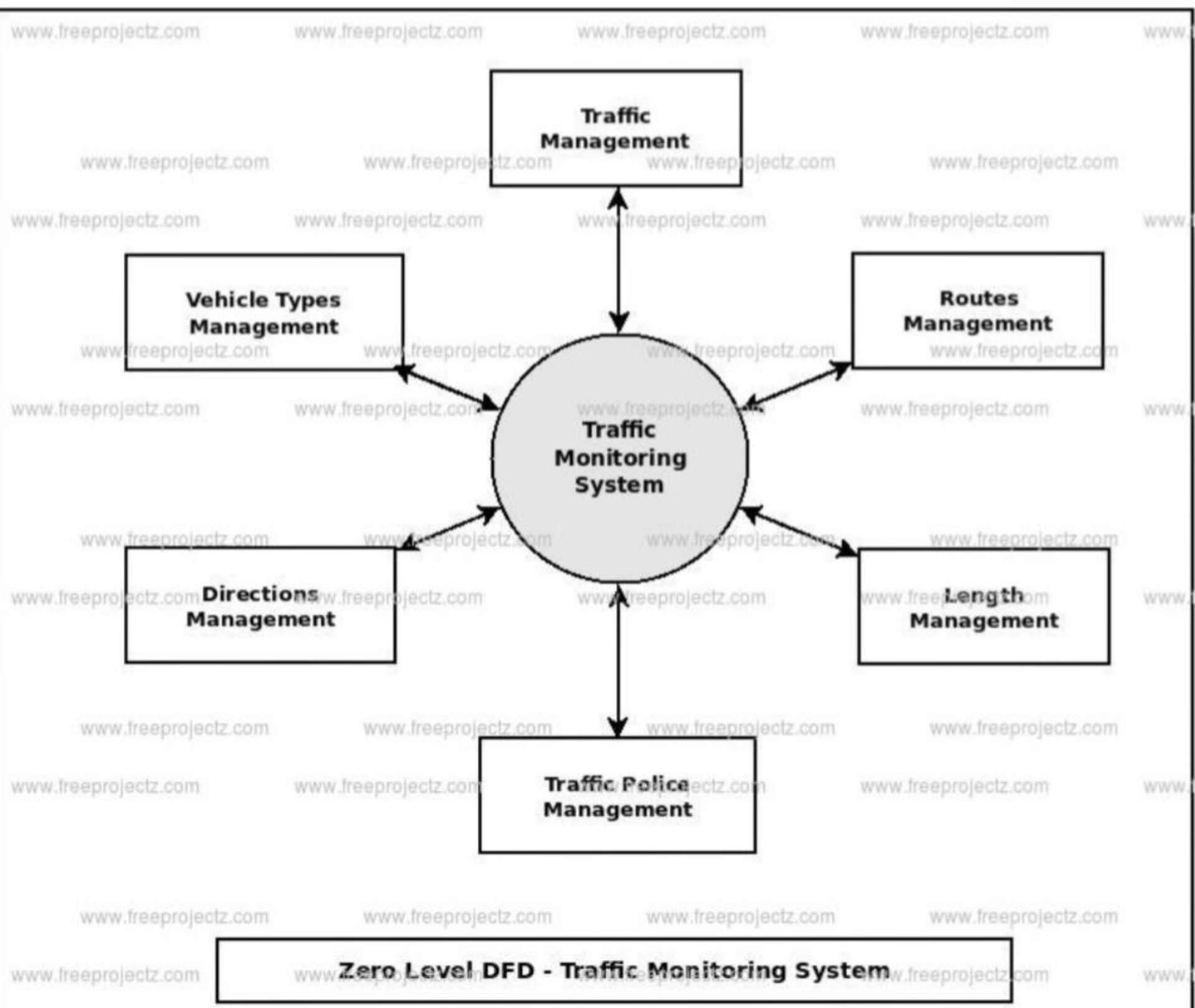
Traffic Monitoring System Dataflow Diagram

Posted By namita on July 11, 2017

Traffic Monitoring System Data flow diagram is often used as a preliminary step to create an overview of the Traffic without going into great detail, which can later be elaborated.it normally consists of overall application dataflow and processes of the Traffic process. It contains all of the userflow and their entities such all the flow of Traffic, Routes, Length, Traffic Police, Diversions, Vehicle Type, Login. All of the below diagrams has been used for the visualization of data processing and structured design of the Traffic process and working flow.

Zero Level Data Flow Diagram(0 Level DFD) Of Traffic Monitoring System :

This is the Zero Level DFD of Traffic Monitoring System, where we have eloborated the high level process of Traffic. It's a basic overview of the whole Traffic Monitoring System or process being analyzed or modeled. It's designed to be an at-a-glance view of Diversions,Vehicle Type and Login showing the system as a single high-level process, with its relationship to external entities of Traffic,Routes and Length. It should be easily understood by a wide audience, including Traffic,Length and Diversions In zero leve DFD of Traffic Monitoring System, we have described the high level flow of the Traffic system.



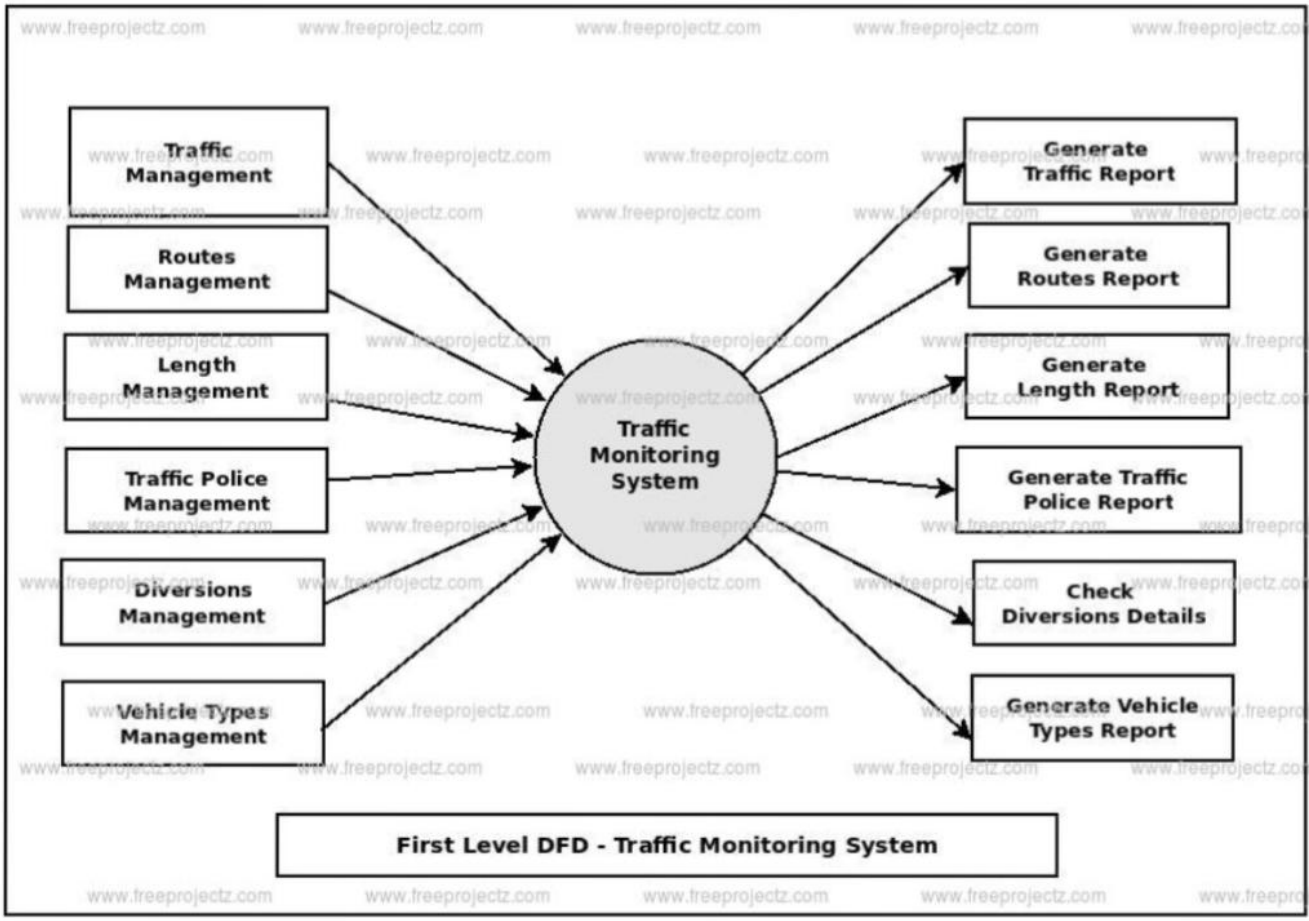
Zero Level DFD - Traffic Monitoring System

First Level Data Flow Diagram(1st Level DFD) Of Traffic Monitoring System :

First Level DFD (1st Level) of Traffic Monitoring System shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the Traffic Monitoring System system as a whole. It also identifies internal data stores of Login, Vehicle Type, Diversions, Traffic Police, Length that must be present in order for the Traffic system to do its job, and shows the flow of data between the various parts of Traffic, Length, Vehicle Type, Login, Diversions of the system. DFD Level 1 provides a more detailed breakout of pieces of the 1st level DFD. You will highlight the main functionalities of Traffic.

Main entities and output of First Level DFD (1st Level DFD):

- Processing Traffic records and generate report of all Traffic
- Processing Routes records and generate report of all Routes
- Processing Length records and generate report of all Length
- Processing Traffic Police records and generate report of all Traffic Police
- Processing Diversions records and generate report of all Diversions
- Processing Vehicle Type records and generate report of all Vehicle Type
- Processing Login records and generate report of all Login

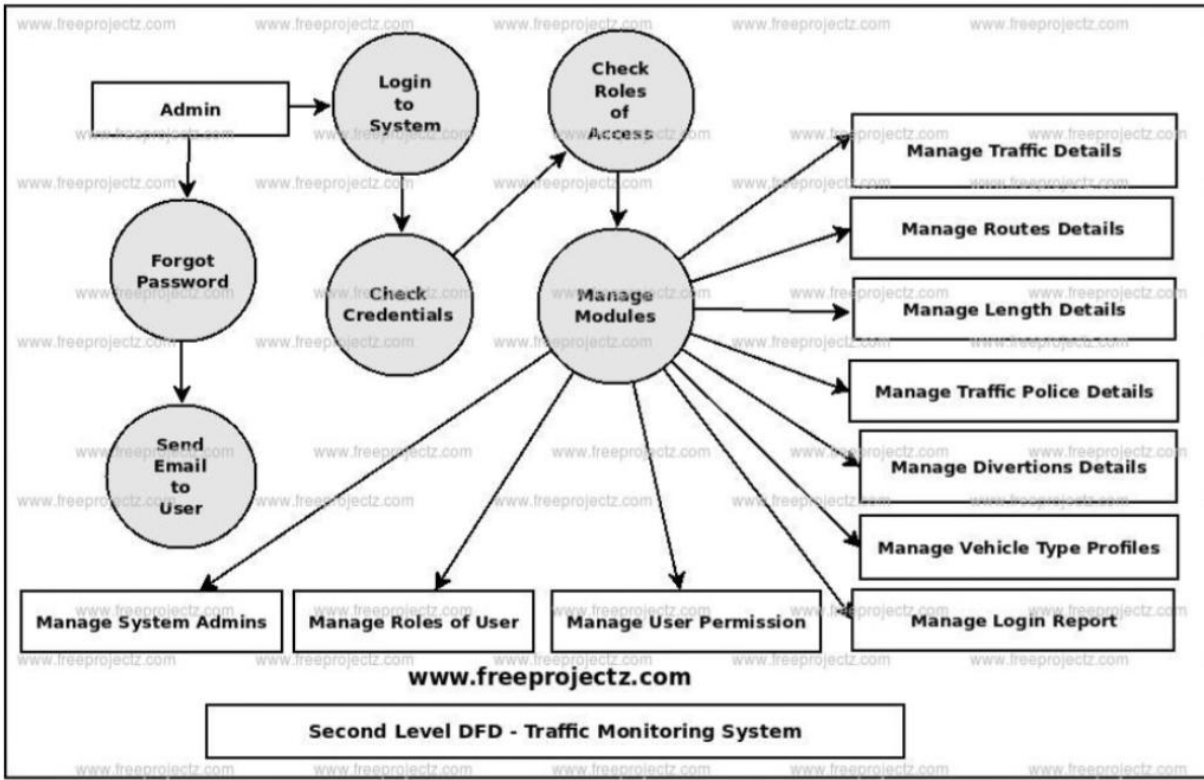


Second Level Data Flow Diagram(2nd Level DFD) Of Traffic Monitoring System :

DFD Level 2 then goes one step deeper into parts of Level 1 of Traffic. It may require more functionalities of Traffic to reach the necessary level of detail about the Traffic functioning. First Level DFD (1st Level) of Traffic Monitoring System shows how the system is divided into sub-systems (processes). The 2nd Level DFD contains more details of Login, Vehicle Type, Diversions, Traffic Police, Length, Routes, Traffic.

Low level functionalities of Traffic Monitoring System

- Admin logins to the system and manage all the functionalities of Traffic Monitoring System
- Admin can add, edit, delete and view the records of Traffic, Length, Diversions, Login
- Admin can manage all the details of Routes, Traffic Police, Vehicle Type
- Admin can also generate reports of Traffic, Routes, Length Traffic Police, Diversions, Vehicle Type
- Admin can search the details of Routes, Diversions, Vehicle Type
- Admin can apply different level of filters on report of Traffic, Traffic Police, Diversions
- Admin can tracks the detailed information of Routes, Length, Traffic Police, , Diversions



Traffic Monitoring System ER Diagram

Posted By freeproject on July 17, 2017

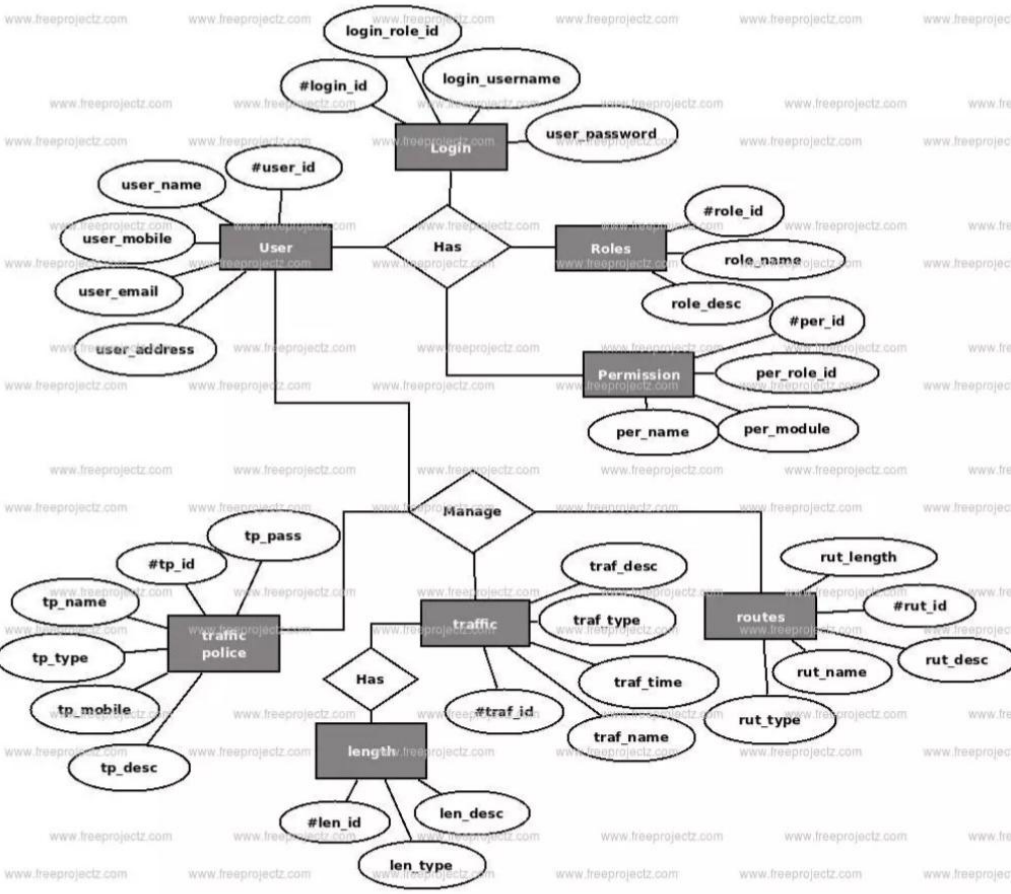
This ER (Entity Relationship) Diagram represents the model of Traffic Monitoring System Entity. The entity-relationship diagram of Traffic Monitoring System shows all the visual instrument of database tables and the relations between Routes, Traffic Polices, Traffic, Vehicle Types etc. It used structure data and to define the relationships between structured data groups of Traffic Monitoring System functionalities. The main entities of the Traffic Monitoring System are Traffic, Routes, Length, Traffic Polices, Divertions and Vehicle Types.

Traffic Monitoring System entities and their attributes :

- **Traffic Entity** : Attributes of Traffic are traffic_id, traffic_name, traffic_type, traffic_description
- **Routes Entity** : Attributes of Routes are route_id, route_name, route_type, route_description
- **Length Entity** : Attributes of Length are length_id, length_name, length_type, length_description
- **Traffic Polices Entity** : Attributes of Traffic Polices are traffic_police_id, traffic_police_college_id, traffic_police_name, traffic_police_mobile, traffic_police_email, traffic_police_username, traffic_police_password, traffic_police_address
- **Divertions Entity** : Attributes of Divertions are divertion_id, divertion_name, divertion_type, divertion_description
- **Vehicle Types Entity** : Attributes of Vehicle Types are vehicle_type_id, vehicle_type_customer_id, vehicle_type_number, vehicle_type_description

Description of Traffic Monitoring System Database :

- The details of Traffic is store into the Traffic tables respective with all tables
- Each entity (Vehicle Types, Length, Divertions, Routes, Traffic) contains primary key and unique keys.
- The entity Length, Divertions has binded with Traffic, Routes entities with foreign key
- There is one-to-one and one-to-many relationships available between Divertions, Traffic Polices, Vehicle Types, Traffic
- All the entities Traffic, Divertions, Length, Vehicle Types are normalized and reduce duplicacy of records
- We have implemented indexing on each tables of Traffic Monitoring System tables for fast query execution.



ER Diagram For Traffic Monitoring System

Traffic Monitoring System Sequence Diagram

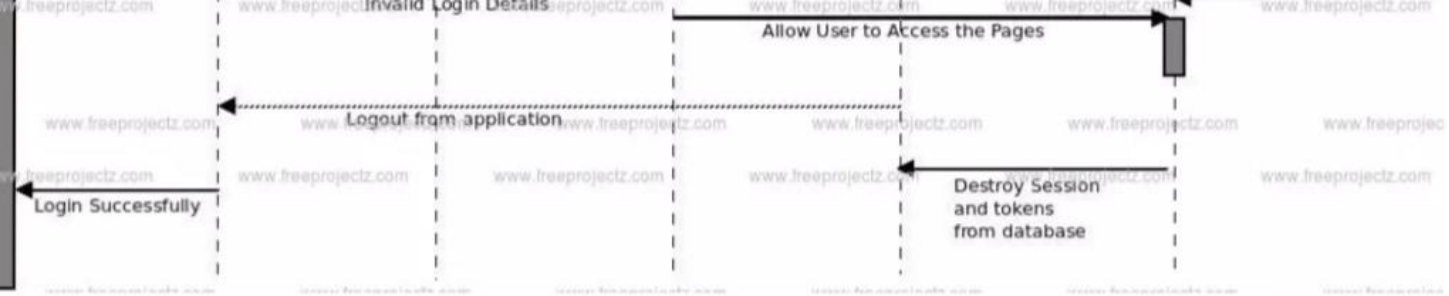
Posted By freeproject on January 31, 2018

This is the **UML sequence diagram of Traffic Monitoring System** which shows the interaction between the objects of Divertions, Traffic, Length, Traffic Polices, Vehicle Types. The instance of class objects involved in this UML Sequence Diagram of Traffic Monitoring System are as follows:

- Divertions Object
- Traffic Object
- Length Object
- Traffic Polices Object
- Vehicle Types Object

Login Sequence Diagram Of Traffic Monitoring System:

This is the **Login Sequence Diagram of Traffic Monitoring System**, where admin will be able to login in their account using their credentials. After login user can manage all the operations on Length, Divertions, Traffic, Vehicle Types, Traffic Polices. All the pages such as Traffic, Vehicle Types, Traffic Polices are secure and user can access these page after login. The diagram below helps demonstrate how the login page works in a Traffic Monitoring System. The various objects in the Vehicle Types, Length, Divertions, Traffic, and Traffic Polices page—interact over the course of the sequence, and user will not be able to access this page without verifying their identity.



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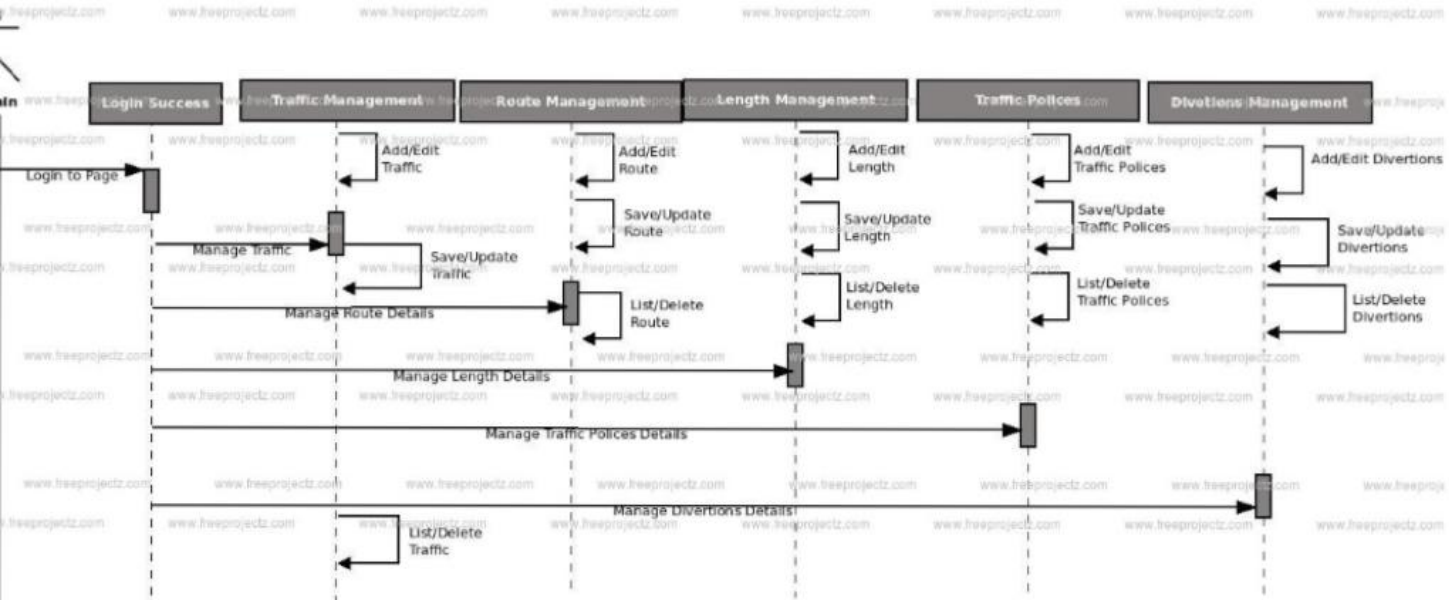
- Traffic Object
- Length Object
- Traffic Polices Object
- Vehicle Types Object



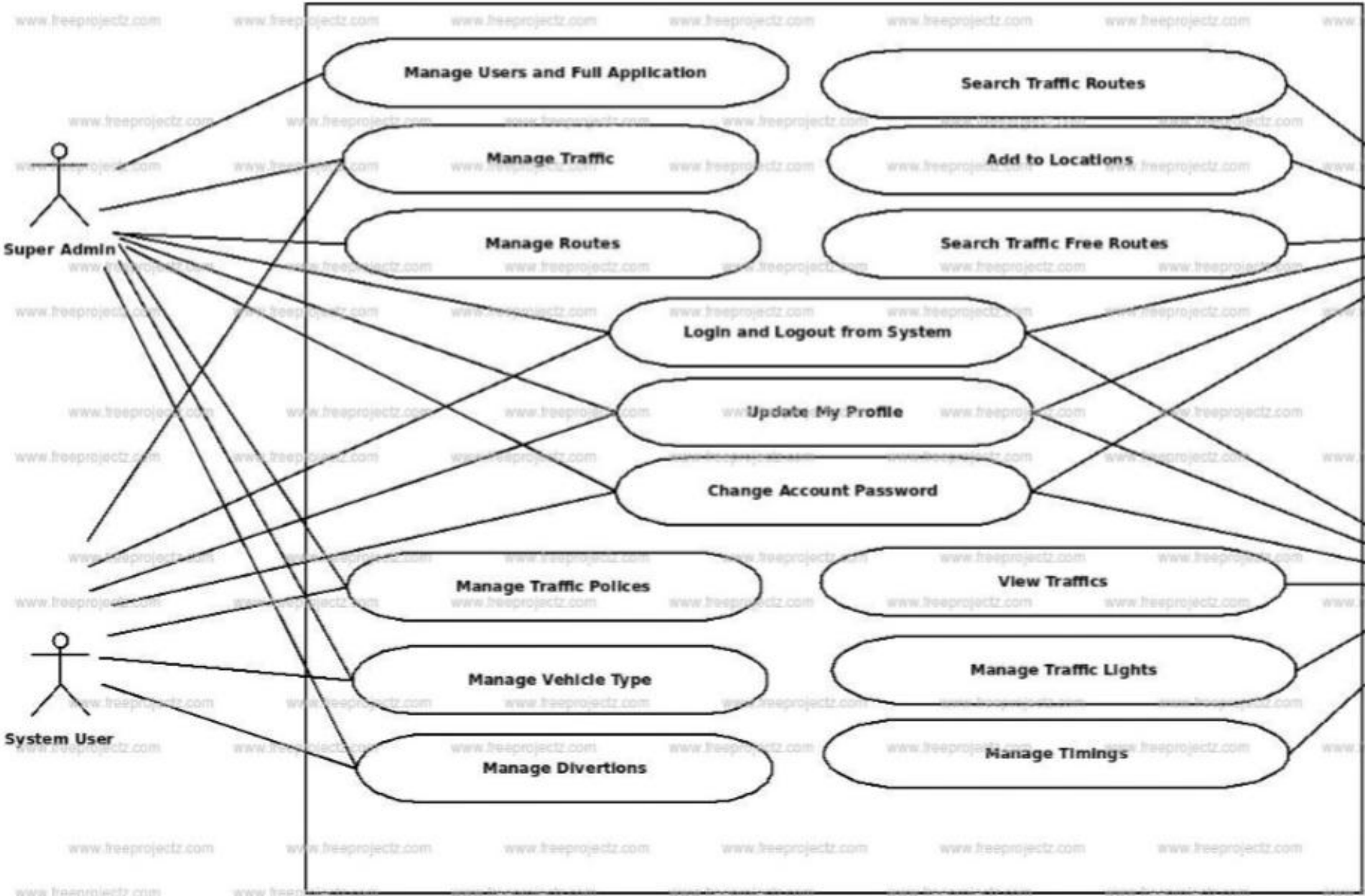
Traffic Monitoring System Use Case Diagram

Posted By freeproject on July 24, 2017

This Use Case Diagram is a graphic depiction of the interactions among the elements of Traffic Monitoring System. It represents the methodology used in system analysis to identify, clarify, and organize system requirements of Traffic Monitoring System. The main actors of Traffic Monitoring System in this Use Case Diagram are: Super Admin, System User, Traffic Police, Users, who perform the different type of use cases such as Traffic, Manage Routes, Manage Length, Manage Traffic Polices, Manage Divertions, Manage Vehicle Types, Manage Users and Full Traffic Monitoring System Operations. Major elements of the UML use case diagram of Traffic Monitoring System are shown on the picture below.

The relationships between and among the actors and the use cases of Traffic Monitoring System:

- **Super Admin Entity** : Use cases of Super Admin are Traffic, Manage Routes, Manage Length, Manage Traffic Polices, Manage Divertions, Manage Vehicle Types, Manage Users and Full Traffic Monitoring System Operations
- **System User Entity** : Use cases of System User are Traffic, Manage Routes, Manage Length, Manage Traffic Polices, Manage Divertions, Manage Vehicle Types
- **Traffic Police Entity** : Use cases of Traffic Police are Manage Traffic Lights, Manage Timings, View Traffics
- **Users Entity** : Use cases of Users are Search Traffic Routes, Seach Traffic Free Routes, Add to Locations


Manage Users and Full Application
Search Traffic Routes
Manage Traffic
Add to Locations
Manage Routes
Search Traffic Free Routes
Super Admin
Login and Logout from System
Update My Profile
Change Account Password
Manage Traffic Polices
View Traffics
Manage Vehicle Type
Manage Traffic Lights
System User
Manage Divertions
Manage Timings