



Website Application Software

CREATED USING

Html

MySql

Css

Xampp Server

Php

PhpMyAdmin

B.P.PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY



ONLINE AMBULANCE BOOKING SYSTEM

UNDER THE GUIDANCE
OF
MR. SUMIT KUMAR SINHA

GROUP MEMBERS

- | | | |
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FEASIBILITY STUDY



SCOPE OF THE PROJECT



INFORMATION MANAGEMENT

The information of all user were stored in individual ambulance account.



RANGE OF CHOICES

'**AROGYA**' a web based application that provides to view and select the bookings of ambulance into different locations.



PRICE COMPARISON

The system will allow us to compare prices of booking from different locations.

TYPES OF USER

ADMIN

CUSTOMER

HOSPITAL

AMBULANCE

COST ANALYSIS

'AAROGYA' is an web application which acts as a communication interface between patients ,ambulance and hospitals . The development team comprises of five team members , which is reasonably small, and the team members are experienced in developing the system. Therefore , this project can be considered as of organic type. Thus, for calculating development time we choose intermediate COCOMO estimation model for organic type

Effort = $a_1 * (KLOC) a_2 * (EAF) PM$

Development time= $b_1 * (Effort) b_2 \text{ months}$

KLOC is the estimated size of the software product indicate in Kilo Lines of Code

SOFTWARE PROJECTS	A	B	C	D
Organic	2.4	1.05	2.5	0.38

$$\text{EAF} = f_1 * f_2 * f_3 * f_4 * f_5 * f_6 * f_7$$

$$= 1.15 * 1.15 * 1.07 * 0.86 * 0.91 * 0.95 * 0.91$$

$$= 0.9574$$

The lines of code are estimated to be 2500

Therefore,

$$\text{KLOC} = 2.5$$

Therefore,

$$\text{Effort} = 2.4(2.5) 1.05 * 0.9574 \text{ PM}$$

$$= 6.03162$$

$$\text{Tdev} = 2.5 * (6.03162) 0.38 \text{ months}$$

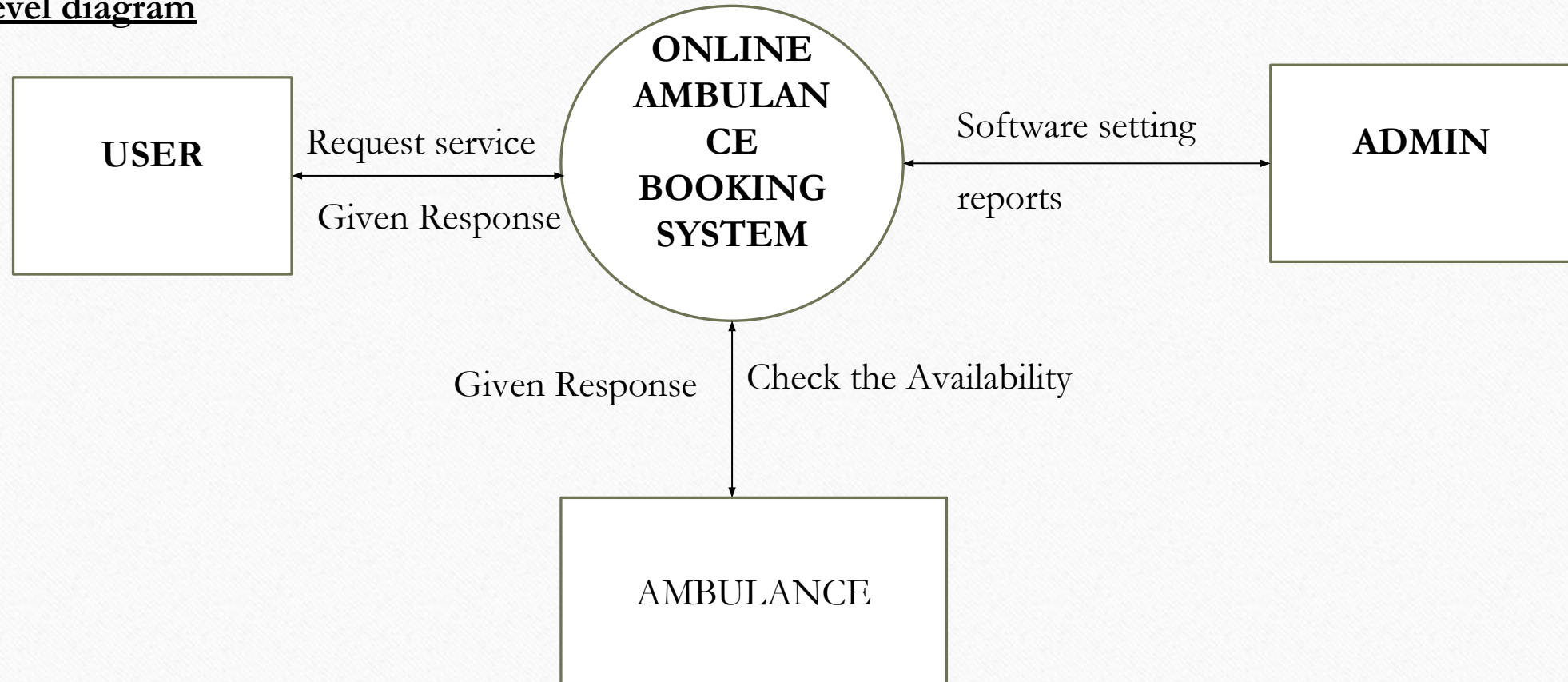
$$= 5.730039 \text{ months}$$

$$= 153 \text{ days}$$

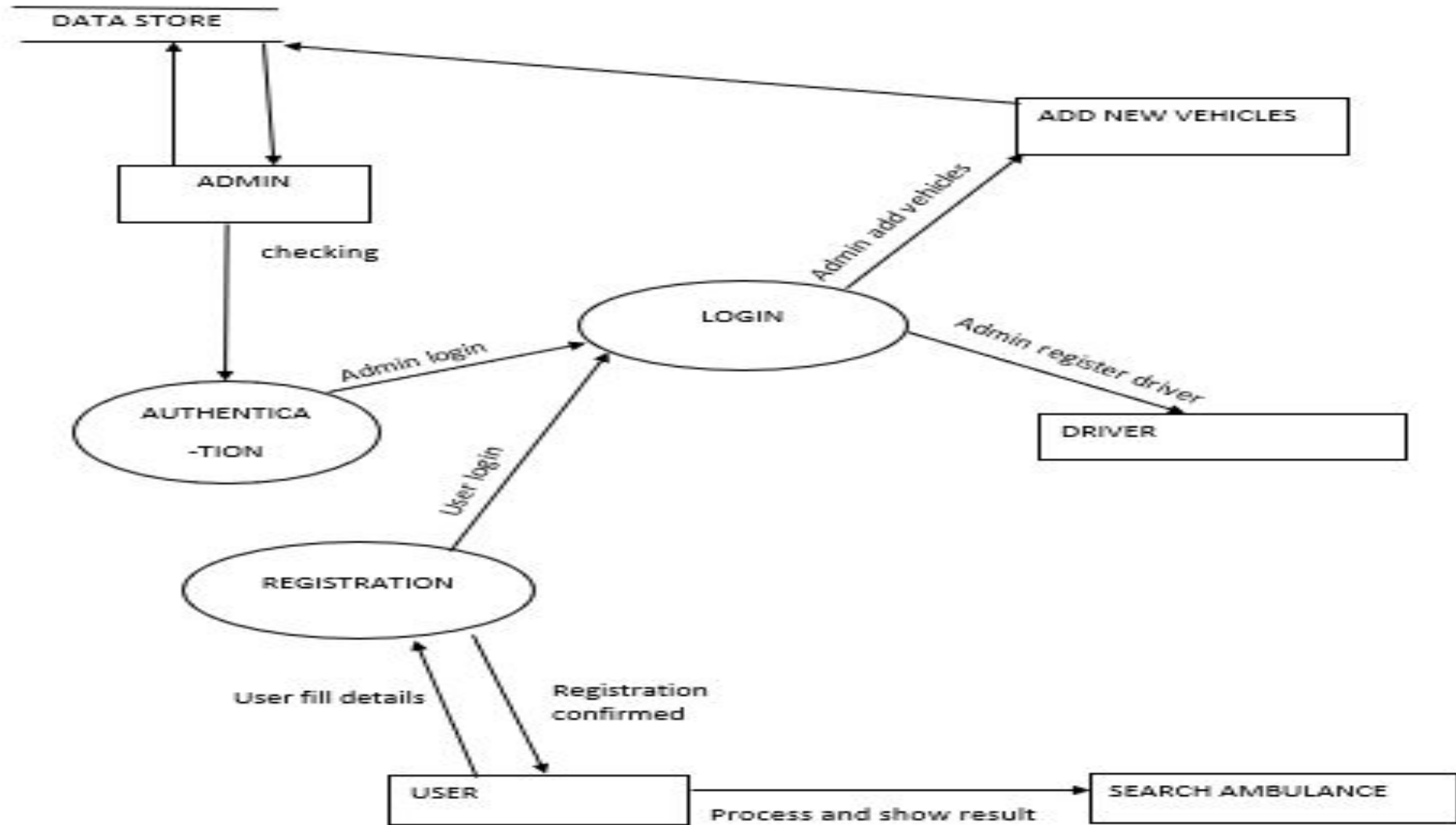
FACTORS	HIGH
Software reliability(f1)	1.15
Product complexity(f2)	1.15
Turnaround time(f3)	1.07
Analyst Capability(f4)	0.86
Application experience(f5)	0.91
Programming Language Experience(f6)	0.95
Use of software tools(f7)	0.91

DATA FLOW DIAGRAM

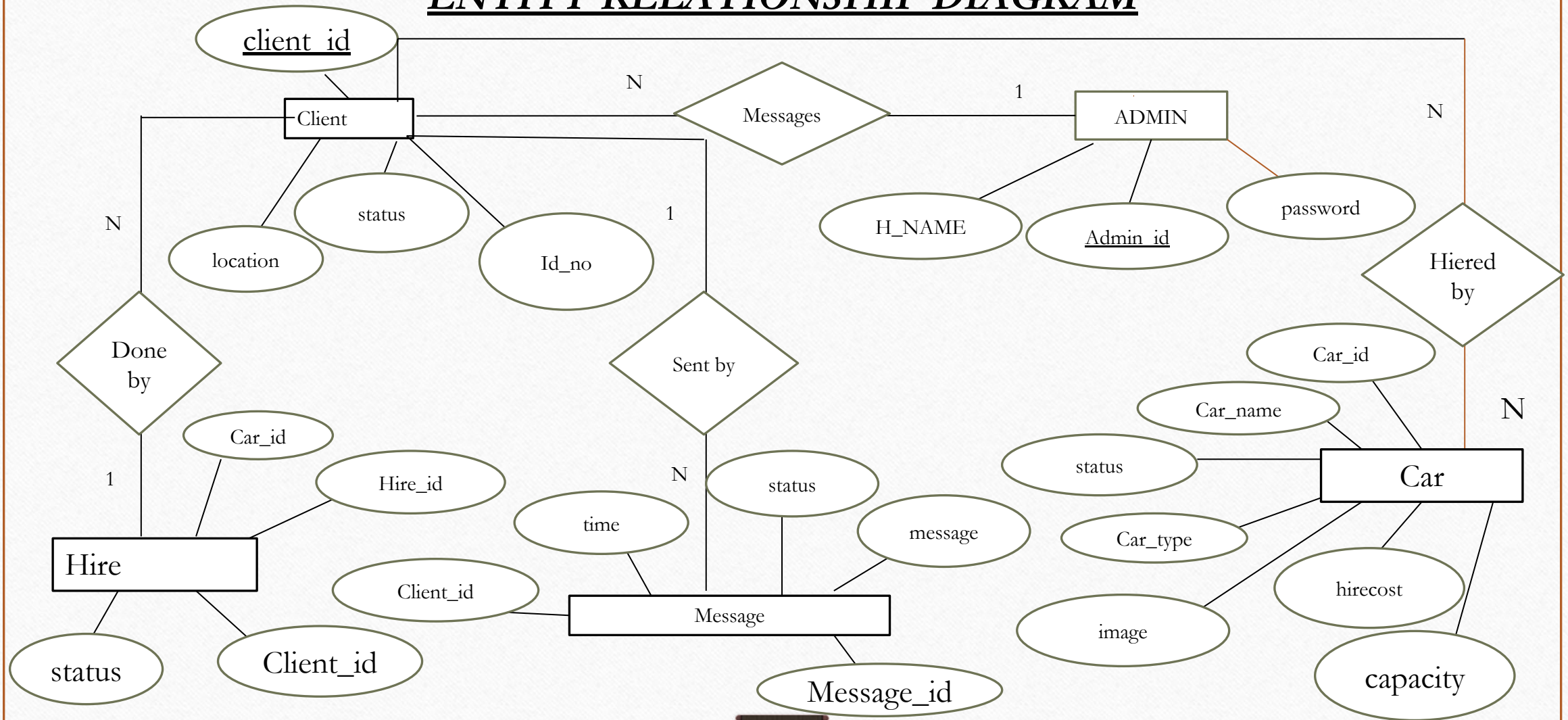
0 level diagram

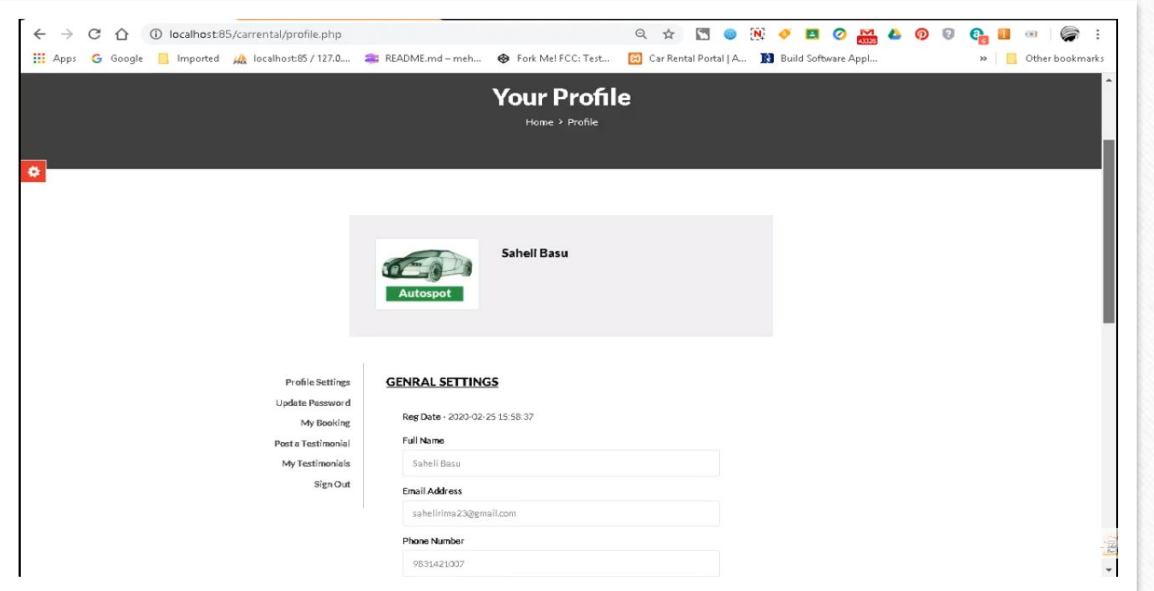
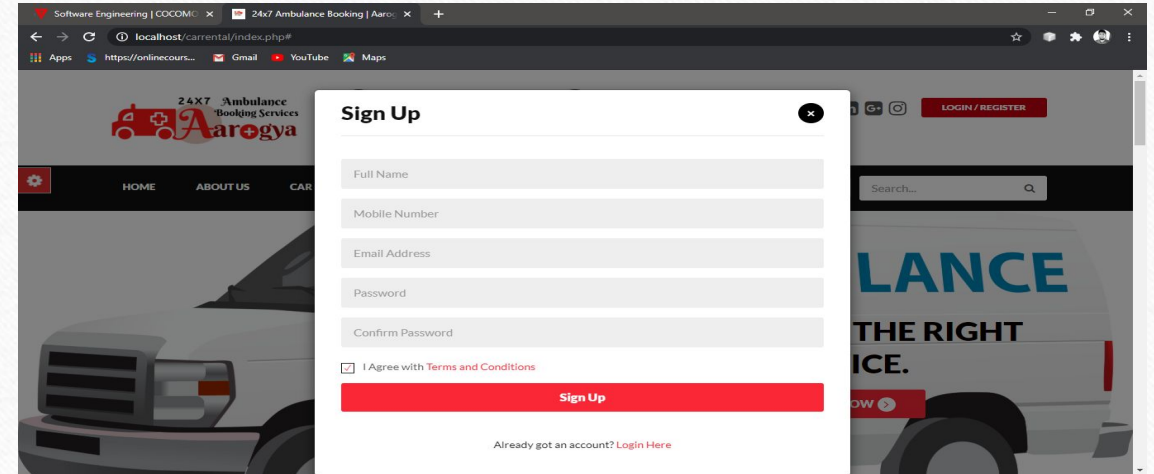
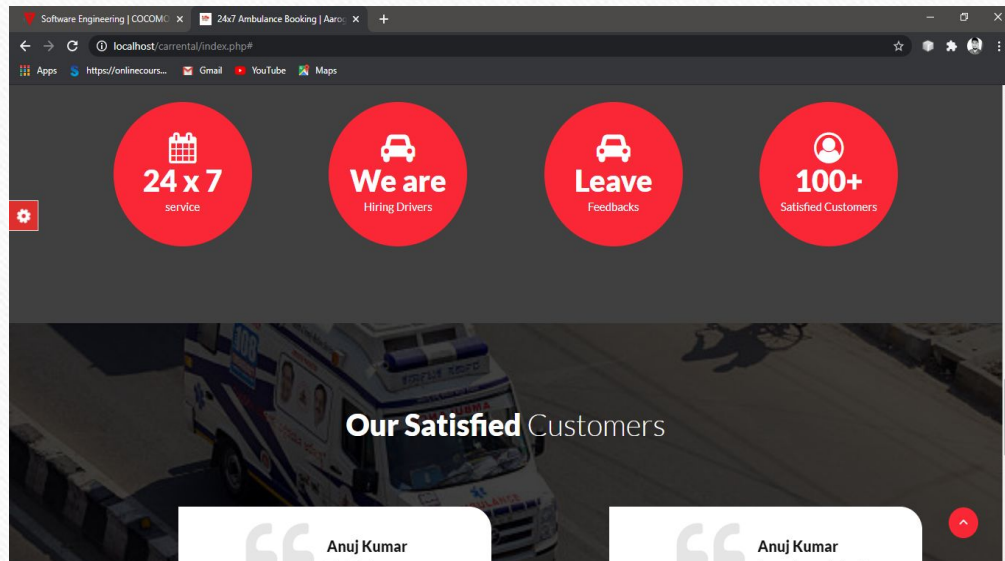
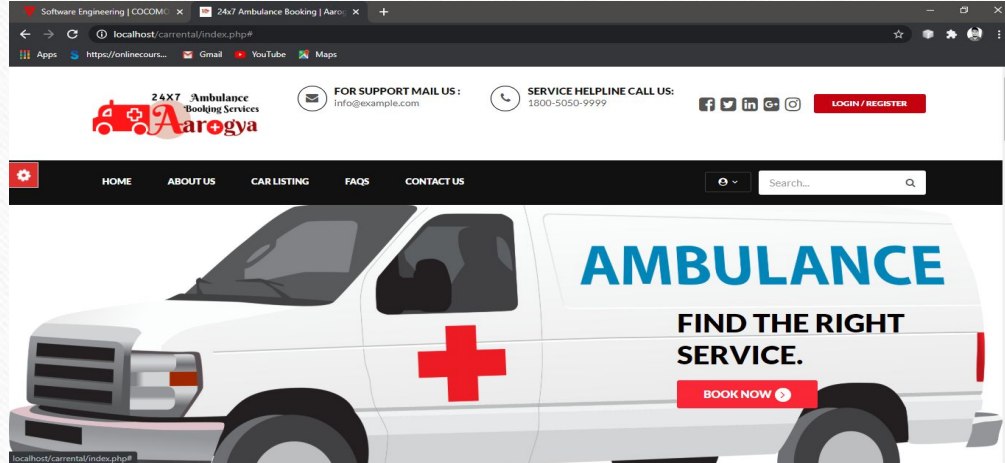


Level
1
DFD:



ENTITY RELATIONSHIP DIAGRAM





CONCLUSION:

The prototype we envisioned during the initial phase of the project has been successfully implemented and is up and running as a software application.

This software application has been designed to meet the features mentioned earlier. The page designing has been done using HTML, CSS and PHP. The document has been fully approved by our mentor which we have documented here .

FUTURE SCOPE:

Features like geo-location tracking and the range of service availability has the scope to be improved eventually and with respect to the provisions granted or requested from the original creators of the first ever 24x7 Online Ambulance Booking Facility.

Apart from that it's an ambulance service that aims to reach out as a ray of hope for the masses.

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- i. Software Engineering Book by K.K. Agarwal**
- ii. Software Designing & Engineering Book by Rajib Mall**
- iii. www.phphub.com**
- iv. www.w3schools.com**
- v. www.geeksforgeeks.com**



THANK YOU