

Final Year Project Report
Online mechanics by car care



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Submitted By:

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Dedication

We would like to dedicate this project to our parents because they motivate us and taught us that even the largest task can be accomplished if it is done by concentration and we completed this project because of their love and trust on us. We would also like to dedicate this project to our Project advisors because they guided us in a right direction and gave their precious time to us in completion of this project. We discussed our project with them and they gave better suggestions to improve our project.

Final Approval

Panel of Examiners

- **Head of Department** _____
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Acknowledgment

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express our gratitude to our Project advisor, **Rao Faizan Ali** and co-advisor, **Ahtsham Ali** for his invaluable advice, guidance and his enormous patience throughout the documentation and development of the product.

In addition, we would also like to express our gratitude to our loving parent and friends who had helped and gave us encouragement so that we can completed our project successfully in a given period of time.

Project Title

Online Mechanics by Car Care

Objective

The main objective of this application is to provide you the best car mechanics who are available near you when you are in the hour of need.

Undertaken by

Supervised by

Rao Faizan Ali, Ahtsham Ali

Starting Date

15-09-2016

Completion Date

Tools Used

**Android Studio, Jet Brains (Php Storm),
Notepad++, MS Word, Draw.io**

Operating System

Android, Microsoft Windows (All versions)

Documentation

Abstract

The project title is “Online Mechanics by Car Care”. This is a Web-based application. The main objective of this application is to provide you the best car mechanics who are available near you. Most of the people may not be satisfied by the mechanics and their work as they are only satisfied by the mechanic who fix their car for many years. But at least online mechanics resolved their problem by showing mechanic rating and fix the car so that they easily enjoy their journey. People do not feel helpless by having this application their mobile. The main work of the application is that driver open the application “Car Care” on his android phone and application shows nearby available mechanics and then driver sent the request to mechanic by clicking of request mechanic button. Then the mechanic which more near to driver will receive the request and accept it. After accepting the request the driver’s location is shown on mechanic screen and map will also guide him the way. As mechanic moves towards driver the icon representing mechanic on driver’s screen will also moves according to mechanic location and the arrival time of mechanic is also showing on driver’s screen and it will decrease or increase according to mechanic moves as it is a real time application. After reaching at the spot the mechanic fix the car and click on job done button and manually enter the bill amount and it will show to driver’s mobile and in the end the driver will rate the mechanic according to his work.

REVISION CHART

This chart contains a history of this document's revisions. The entries below are provided solely for illustration purposes. Those entries should be deleted until the revision/s they refer to have actually been created.

The document itself should be stored in revision control, and a brief description of each version should be entered in the Revision Control System. A brief description can be repeated in this section. Revisions need not be described elsewhere in the document, unless they explain the document.

Version	Primary Author(s)	Description of Version	Date Completed
Draft	Syed Muhammad Taqi Abid Majeed	Initial draft created for distribution and review comments	06-08-2016
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Definitions and Acronyms

Provide definitions or references to all the definitions of the special terms and acronyms used within this document

Acronym	Definition
OMCC	Online Mechanic by car acre
GPS	Global positioning system
DFD	Data flow diagram
ERD	Entity relationship diagram
RID	Requirements ID
UCID	Use case ID
TID	Test ID
Web-based application	An application that runs on the Internet
Login	A user identification number to enter the system
MySQL	a query language to interrogate the system
Mock Screens	These are the dummy prototypes

Table 1: Table of acronyms and definitions

1. INTRODUCTION

1.1 Motivations

The motivations behind this project is that now a days most of the people travel through their personal cars and many people only know that how to drive the car but they know nothing about the car parts and maintenance. Especially the ladies do not know about the car repair so if they stuck on the highway or on a road where there is no mechanic available on nearby so they can easily solve their car problem by request the mechanic through this application. Now a days people request a car (taxi) from their mobile phone through the applications so we picked up the idea from there that why shouldn't we call a mechanic by our mobile phones in the hour of need.