

Final Year Project Report

Lift Share: Raaqib



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Dedication

In order to achieve goals and aim for them unswervingly, it takes an awful lot of determination and effort as well as guidance of elders especially those who give their valuable time to us. We dedicate our humble effort to our loving

Parents

Who spent their lives to made us what we are today, their love, inspiration and prayers made us accomplish this work and granted us such success and honor Along with all respected

Teachers

For their continuous support and hard work to bring the best out of us.

Final Approval

Panel of Examiners

- **Head of Department**
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- **Co-Supervisor**

Acknowledgment

“And if you should count the favors of Allah, you could not enumerate them. Indeed, Allah is Forgiving and Merciful.”

Al-Quran [16:18] - Surah An-Nahl

First and foremost, thanks to ALLAH (S.W.T) for their countless blessing and mercy. Every effort is motivated by an ambition and all ambitions have an inspiration behind in the height of reaching a mile-stone in life. We owe our deep sense of gratitude that helps us in such a constructive work with grateful heart, we avail this privilege to express our gratitude and indebtedness to esteemed guide of **Fasiha Ashraf** (Assistant Professor of Computer Science) for her guidance, supervision and critical suggestion throughout the course of this project.

We are sincerely thankful to everyone who provided the necessary facilities for this work. Sincere thanks are extended to the Department of Computer Science and our friends for their valuable advice and moral support. Our thanks are due to our revered parents for their affections, encouragement, patience and support.

Project Title	Lift Share (Raaqib)
Objective	The main objective of Lift Share is to provide a hustle free service to students and employees of Government or non-Government Organizations from one city to another.
Undertaken by	M. Ahmar Saeed Mr. Awinash M. Ahsam
Supervised by	Fasiha Asharaf
Starting Date	10 th Oct, 2017
Completion Date	30 th July, 2018
Tools Used	Dreamweaver, Android Studio, Fluid UI, E-draw, Gliffy
Operating System	Microsoft Windows 10 Pro
Documentation	MS-Office

Plagairism Report

Abstract

As the technology prevails day by day in the world, the world is becoming more beautiful, to explore the beauty, people are using new ways to move around the world, as the traveling increases day by day, new ways of traveling are discovered, in which people makes new relations with there traveling partner. There are many companies who are giving the traveling services to move around the world or to move around in the city, UBER and Careem is an example of such companies which are working globally, our application's moto is different from the above mentioned companies. The **Lift Share (Raaqib)** is an application for travelers, students and office workers who travels daily around the globe. It provides a platform where a person can hire a car or reserve a car to travel to intra-city. Also, two or three peoples can share a ride if they have a same route or same destination as of driver. The system is available for both web and android users to have an easy access to the car to travel. The feature contains hire a ride or reserve a ride for future traveling. Furthermore, both the passenger and driver can reach to us for feedback. This document covers all the detailed requirements and design specifications of the project along with complete testing to verify if desired functionality is achieved.

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
<i>Draft</i>	All members	Information and requirement gathering	05/10/17
<i>Preliminary</i>	Ahsam Mr.Awinash	Functional and non-functional requirements, project overview, system attributes, assumptions	20/10/17
<i>Final</i>	All members	Prototyping, design specifications, UML diagrams, Use cases, database design	03/11/17
<i>Revision 1</i>	All members	Revised draft, Prototyping, debugging errors	18/11/17
<i>Revision 2</i>	M.Ahsam Mr.Awinash	Revised draft, non-functional requirements, system architecture diagram, data flow diagrams	25/11/17
<i>Revision 3</i>	M.Ahsam Mr.Awinash	Class diagram, test cases, user interface	05/12/17
<i>Revision 4</i>	All members	Function point analysis, testing, ER diagram	15/12/17
<i>Revision 5</i>	Mr.Awinash M.Ahmar	System testing, diagram enhancement, bugs fixing	28/12/17
<i>Revision 6</i>	M.Ahsam Mr.Awinash	Database design enhancement, testing	10/02/18
<i>Revision 7</i>	M.Ahsam Mr.Awinash	Revised application testing, diagrams enhancement	20/04/18
<i>Revision 8</i>	M.Ahsam	Revised requirements, use cases, test cases	15/05/18
<i>Revision 9</i>	M.Ahsam	Revised testing, system architecture diagram	05/06/18
<i>Revision 10</i>	All members	Complete system testing, unit testing, integration testing	15/07/18
<i>Revision 11</i>	All members	Whole document revised	10/08/18

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Definitions and Acronyms

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Acronym	Definition
UMT	University of Management and Technology
GPS	Global Positioning System.
SSL	Secure Socket Layer.

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1. INTRODUCTION

In this System we are going to build an android app in which we are helping students and employees of public and private sector to cut off their travelling expense so that they have easily access to their hometown and also this project is going to update taxi service in Pakistan.

The System will be fully secured and drivers are rated according to their performance and Passengers are also rated by drivers, so it would be easy and a comfortable access on both ends.

1.1 Motivations

There is not a single application working in Pakistan of this kind. By providing our services, the people would be able to travel from one city to another in a very low cost. This application will also be helpful for taxi drivers, they will use this app and make a handful earning.

1.2 Project Overview

Our project name is “Raaqib” that comes from an Arabic language which means passenger. Our project’s core objective is all about helping passenger by providing him/her lift facility. The problem that insisted us to sort out solution for is that in our daily routines, there are number of vehicles that complete roundtrip from one destination to other with vacant seats. If a person is going to a specific place daily in his car with vacant three seats, wouldn’t it be better if he gives lift to someone who has same path as does he have? In order to utilize the vacant seats, we aim to develop an android app that would help provide lift to people who either do not own any personal transportation or face difficulty in public transportation. The system will be developed with a proper and meticulous flow of mainstreams. From start of ride to end of ride, there would be several activities to be performed by following a well-organized mechanism.

In our project, we do not target to any specific customer or audience, since it is about providing lift, anyone who wishes to get lift according to own will, he or she may avail this opportunity.