Final Year Project Report
Doctor Discoverer

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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

1) **Head of Department** _____
   Department of Computer Science
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2) **Program Director (Final Year Projects)** _____
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3) **Supervisor** _____
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4) **Co-Supervisor** _____

5) **External Examiner** _____

6) **Controller of Examinations** _____

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	Doctor Discoverer
Objective	Doctor Discoverer identifies doctors by proximity to location. It uses location of patient to identify health care facilities and specialized doctors registered by PMDC.
Undertaken by	Mehak Fatima Rafia Maqsood Zaid-ur-Rehman Muhammad Azher Muhammad Salman Zahid
Supervised by	FASIHA ASHRAF
Starting Date	April 8, 2016
Completion Date	May 4, 2017
Tools Used	Dreamweaver, Android Studio, Xcode, FluidUI, Creately, Gliffy
Operating System	Android, iOS, Windows
Documentation	MS-Office

ABSTRACT

Doctor Discoverer is an application for social welfare concerning to doctors and patients. It provides a platform to healthcare providers and health seekers to connect with each other without the involvement of a third party. Patients can find the physician best suitable and nearest to them with a tap of finger instead of waiting in long lines to have an appointment and doctors stand a chance to promote themselves outside the boundary of hospital. The system is available for web, android and iPhone users to have healthcare in their pockets. Its features include search doctor by name and by category, book appointment by call and record it in calendar to get alerts. Furthermore, doctors and patients can reach to us by giving feedback. Apart from this, it also provides health blog with beneficial tips and health articles to adopt a healthy lifestyle. 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
Draft	All members	Information and requirement gathering	14/03/16
Preliminary	Rafia Maqsood Mehak Fatima	Functional and non-functional requirements, project overview, system attributes, assumptions	07/04/16
Final	Mehak Fatima Rafia Maqsood	Prototyping, design specifications, UML diagrams, Use cases, database design	17/05/16
Revision 1	All members	Revised draft, Prototyping, debugging errors	30/05/16
Revision 2	Mehak Fatima Rafia Maqsood	Revised draft, non-functional requirements, system architecture diagram, data flow diagrams	15/06/16
Revision 3	Mehak Fatima Rafia Maqsood	Class diagram, test cases, user interface	20/09/16
Revision 4	Rafia Maqsood Mehak Fatima	Function point analysis, testing, ER diagram	05/10/16
Revision 5	All members	System testing, diagram enhancement, bugs fixing	28/10/16
Revision 6	Mehak Fatima Rafia Maqsood	Database design enhancement, testing	17/11/16
Revision 7	Rafia Maqsood Mehak Fatima	Revised application testing, diagrams enhancement	25/01/17
Revision 8	Rafia Maqsood Mehak Fatima	Revised requirements, use cases, test cases	21/02/17
Revision 9	Rafia Maqsood Mehak Fatima	Revised testing, system architecture diagram	18/03/17
Revision 10	All members	Complete system testing, unit testing, integration testing	17/04/17
Revision 11	All members	Whole document revised	04/05/17

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1. INTRODUCTION

Doctor Discoverer application for web, iPhone and android users will be used to find doctors nearby patient's location. Doctor Discoverer acts as an intermediary between doctor and patient.

1.1 Project Overview

Doctor Discoverer is a GPS based mobile application for iPhone, android and web users which helps people to locate best doctors nearest to them based on their current position. Doctor Discoverer provides a platform to tie doctors and patients together for a mutual advantage. Patients can search doctors by name and category nearest to them or in any other location. They can book appointments for the best rated doctors, sitting at home and free themselves from the hassle of waiting in long lines. All the appointments which patients make can also be included in the calendar. Patients can reschedule and cancel appointments anytime when needed. Doctors and patients who record their appointments in calendar get the complete schedule as well as reminders of their appointments for the day, week or month on their smartphones.