

Final Year Project Report

**Homemeds
virtual shop
(web application)**



Project Advisor:

Muhammad Asif Subhani

Submitted By:

Syed Roohan Sajjad 101620129

Rizwan Khan 101620127

Hummas ali 101620108

University of Management and Technology

C-II Johar Town Lahore Pakistan

Dedication

We thankfully dedicate this project to those people who were involved in this project and guided us with their supreme efforts. We would like to express our intense sense of respect to our supervisors and mentor **Mr.Asif Subhani** for their relentless guidance and steady help during the project. Their in depth knowledge on a broad spectrum of website development and designing has been extremely beneficial for us.

Their willingness to give his time so generously has been very much appreciated. We are thankful to the Almighty for giving us a counselor like them.

We would like to express my appreciation to the Dean **Dr.Nasir ud Din Gohar**, school of science and technology and also the **Dr.Adnan Abid** chairman of computer science Department, for their support and help towards my graduate affairs. Our acknowledgement also goes to all the technicians and office staff of school of science and technology for their co-operations.

Last but not the least, our deepest gratitude goes to our parents for their love, support and suffering during our studies and project. We wouldn't be able to reach this point without their prayers and encouragement.

Thank you very much.

Final Approval

Panel of Examiners

- **Head of Department**
Department of Computer Science
UMT Lahore _____

- **Program Director (Final Year Projects)**
Department of Computer Science
UMT Lahore _____

- **Supervisor**
Department of Computer Science
UMT Lahore _____

- **Co-Supervisor** _____

Acknowledgment

In the name of almighty ALLAH, the most merciful. As the matter of first importance we express our gratitude toward ALLAH for giving us the trust and energy to perform this assignment which is our final year project. We look for his endowments in each perspective are thankful to our guardians who trust us to wind up something in life. It's all their prayer that help us to accomplish our goal. We want to express our appreciation to our supervisor Sir Asif Subhani for his guidance and his interest in this project that are important for the completion of this project. They were exceptionally kind to us in this stage. At the end we would like to thank our parents and companions who encourage us and help us to achieve this goal.

Project Title Homemeds

Objective homemeds is a online store for medicine which can be used by any one who have the smartphone/computer and internet conection anytime in lahore to order the medicine and get them at their doorstep.

Undertaken by Hummas ali, Rizwan Khan, Syed Rohan Sajjad

Supervised by Rana Muhammad Asif Subhani

Starting Date 15 April 2015

Completion Date 28 May 2016

Tools Used CSS3, MYSQL, HTML5, JSON, Ajax, JavaScript, Photoshop, Notepad ++, Aptana Studios

Documentation Microsoft word 2016, creatly.com,visual paradigm

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
<i>Draft</i>	All members	Project idea and proposal	22 April, 2015
<i>Preliminary</i>	All members	Project feature, function and development platform	10 June, 2015
<i>Final</i>	Hummas ali, Syed Rohan Sajjad	Complete design and website documentation	18 Dec, 2015
<i>Revision 1</i>	Sir Muhammad Asif Subhani & Hummas Ali, Syed Rohan Sajjad, Rizwan Khan	Revision through chapter by chapter	24 Feb, 2016
<i>Revision 2</i>	Sir Muhammad Asif Subhani & Hummas Ali, Syed Rohan Sajjad, Rizwan Khan	Final revision all over section completely	28 May, 2016

PREFACE

Homemeds (virtual shop) is an online web based application designed to ease the life of any person who use medicines. People can easily find any medicine in online store while sitting in their homes. This project can be used by many medical stores, hospitals and clinics to sell medicines online.

Hence the purpose of this project is to make the life of a medicine buyer easier

while sitting at home. The best thing about this project is you can order medicine from anywhere and get the medicine on your doorstep within 45 minutes. Our website supports secure payment gateways. This project has autoreply to client queries on website. The application

Is built to provide the people online virtual shop with legit medicines available in market. This application also supports blogging so that people can discuss their daily health issues and providing the solution.

Alhamdullillah Our Product is Live and active www.homemeds.pk

CONTENTS

New paragraphs formatted as Heading 1, Heading 2, and Heading 3 will be added to the table automatically. To update this table of contents in Microsoft Word, put the cursor anywhere in the table and press F9. If you want the table to be easy to maintain, do not change it manually.

FINAL YEAR PROJECT REPORT	1
PROJECT ADVISOR	1
SUBMITTED BY	1
UNIVERSITY OF MANAGEMENT AND TECHNOLOGY	1
C-II JOHAR TOWN LAHORE PAKISTAN	1
DEDICATION	2
FINAL APPROVAL	3
ACKNOWLEDGMENT	4
CONTENTS	1
LIST OF FIGURES	3
1. INTRODUCTION	5
PROJECT OVERVIEW	5
PROBLEM STATEMENT	5
CUSTOMER	5
AFFECTED GROUPS	5
ASSUMPTIONS	5
DEPENDENCIES/ EXTERNAL SYSTEMS	5
DEFINITIONS AND ACRONYMS	6
REFERENCE/ SOURCE DOCUMENTS	6
GOALS	6
2. STAKE HOLDERS	7
3. DOMAIN ANALYSIS	8
4. SYSTEM FUNCTIONS/ FUNCTIONAL REQUIREMENTS	9
NON-FUNCTIONAL REQUIREMENTS	11
<i>Performance Requirements</i>	11
<i>Safety Requirements</i>	11
<i>Security Requirements</i>	11
<i>Software Quality Attributes</i>	11
5. EDR DIAGRAM	12
6. DATA FLOW DIAGRAM	13
DATA FLOW DIAGRAM LEVEL 0	13
DATA FLOW DIAGRAM LEVEL 1	13
DATA FLOW DIAGRAM LEVEL 2	14
<i>Login</i>	14
<i>Registration</i>	14
<i>Profile handling</i>	15
<i>Cart</i>	15
<i>Invoice generation</i>	16
<i>Shipping</i>	16
7. USE CASE MODEL	17

LIST OF ACTORS	17
<i>Internet user</i>	17
<i>Admin</i>	17
LIST OF USE CASES.....	17
USE CASE DIAGRAM.....	18
USE CASE DISCRIPTION	19
<i>Sign up</i>	19
<i>login</i>	21
<i>Logout</i>	23
<i>Forget password</i>	25
<i>Edit profile -> change password</i>	27
<i>update profile -> Edit information</i>	29
<i>View profile</i>	31
<i>Profile -> Verify credit card</i>	33
<i>View product</i>	35
<i>search product</i>	37
<i>Upload prescription</i>	38
<i>Add to cart</i>	40
<i>View cart</i>	42
<i>Check out</i>	44
<i>Admin login</i>	46
<i>Forget password</i>	48
<i>User status</i>	50
<i>Remove user</i>	52
<i>Add category</i>	54
<i>Remove category</i>	56
<i>Add product</i>	58
<i>Remove product</i>	60
<i>Update product</i>	62
<i>Check order list</i>	64
SYSTEM SEQUENCE DIAGRAMS.....	66
<i>Sign up</i>	66
<i>Sign in</i>	67
<i>Sign out</i>	68
<i>Search</i>	69
<i>Upload prescription</i>	70
<i>Interaction</i>	71
<i>Add to cart</i>	72
<i>Payment</i>	73
SYSTEM COLLABORATION DIAGRAMFOR USER	74
SYSTEM COLLABORATION DIAGRAMFOR ADMIN	75
SYSTEM STATE DIAGRAM	76
8. CLASS DIAGRAM.....	77
9. TESTING (TEST CASE)	78
10. FUNCTION POINT ANALYSIS	91
11. CONCLUSION	93
12. FUTURE WORK.....	94
13. BIBLIOGRAPHY.....	95

LIST OF FIGURES

Figure 1 ERD.....	12
Figure 2 Data flow diagram level 0	13
Figure 3 Data flow diagram level 1	13
Figure 4 Data flow diagram level 2 (Login).....	14
Figure 5 Data flow diagram level 2 (Registration)	14
Figure 6 Data flow diagram level 2 (Profile handling).....	15
Figure 7 Data flow diagram level 2 (Cart).....	15
Figure 8 Data flow diagram level 2 (Invoice generation).....	16
Figure 9 Data flow diagram level 2 (Shipping)	16
Figure 10 System Level Use Case Diagram	18
Figure 11 UC-1.0 signup	20
Figure 12 UC-2.0 login.....	22
Figure 13 UC-3.0 logout.....	24
Figure 13.1 UC-3.0 logout.....	24
Figure 14 UC-4.0 Forget password	26
Figure 15 UC-5.0 Change password.....	28
Figure 16 UC-6.0 Edit information	30
Figure 17 UC-7.0 View profile.....	32
Figure 18 UC-8.0 Verify credit card.....	34
Figure 19 UC-9.0 View product	36
Figure 20 UC-10 Search	37
Figure 21 UC-11.0 Upload prescription	39
Figure 22 UC-12.0 Add to cart	41
Figure 23 UC-13.0 View cart	43
Figure 24 UC-14.0 Check out.....	45
Figure 25 UC-15.0 Admin login.....	47
Figure 25 UC-16.0 Forget password admin.....	49
Figure 27 UC-17.0 User status	51
Figure 28 UC-18.0 Remove user	53
Figure 29 UC-19.0 Add category	55
Figure 30 UC-20.0 Remove category	57
Figure 31 UC-21.0 Add product.....	59
Figure 32 UC-22.0 Remove product	61

Figure 33 UC-23.0 Update product	63
Figure 34 UC-24.0 Check order list	65
Figure 35 System sequence diagram signup.....	66
Figure 36 System sequence diagram sign in	67
Figure 37 System sequence diagram sign out	68
Figure 38 System sequence diagram search	69
Figure 39 System sequence diagram upload prescription	70
Figure 40 System sequence diagram interaction	71
Figure 41 System sequence diagram add to cart	72
Figure 42 System sequence diagram payment	73
Figure 43 System collaboration diagram user	74
Figure 44 System collaboration diagram admin.....	75
Figure 45 System state diagram.....	76
Figure 46 class diagram.....	77

1. INTRODUCTION

Internet is the thing of daily use now a day. Everyone use it for different purpose but lot of people use it to do their task to get help to sell things to buy thing etc. Internet bring people close, it helps consumer to get closer to seller and seller to get closer to consumer.

Using this online world developing an online store to sell medicine so than people can get them from their home instead of going out. People can easily find any medicine in online store while sitting in their homes. This project can be used by many medical stores, hospitals and clinics to sell medicines online.