

**Final Year Project Report**  
**RESTAURANT'O ANDROID APPLICATION**



**Project Advisor:**  
SYED FAROOQ ALI

**Submitted By:**  
MARIA SAHAR  
111820223

**Session**

**2011 - 2015**

**University of Management and Technology**

**C-II Johar Town Lahore Pakistan**

## **Dedication**

*All my Efforts are dedicated to my parents and humble teachers; without their wonderful support it would have been impossible for me to achieve this accomplishment.*



## Final Approval

### Panel of Examiners

1) **Head of Department**

Department of Computer Science  
UMT Lahore

---

2) **Program Director ( Final Year Projects)**

Department of Computer Science  
UMT Lahore

---

3) **Supervisor**

Department of Computer Science  
UMT Lahore

---

4) **Co-Supervisor**

---

5) **External Examiner**

---

6) **Controller of Examinations**

---

## **Acknowledgment**

First and the foremost, I would like to express special thanks to my advisor and mentor Mr. Syed Farooq Ali for his help throughout this project and also for his continuous support in my BS studies, research and Final year project. Without his guidance and help, this project would not have been completed.

I would also like to express my appreciation to the Dean, School of Systems and Technology, Dr. Abdul Aziz Bhatti for his support and help towards our graduate affairs. My acknowledgement also goes to all the technicians and office staffs of School of Systems and Technology for their co-operations. Finally, I would like to express my gratitude to all the individuals who have rendered valuable assistance to my study.

Indeed, I would like to thank my co-advisors Sir MubashirBaig and Miss Emmen Farooq for their support, motivation and encouragement.

## Contents

Restaurant'O .....	8
<b>1. Introduction.....</b>	<b>10</b>
1.1 Project Overview.....	10
1.2 Objectives.....	<b>Error! Bookmark not defined.</b>
1.3 Guiding Principles.....	<b>Error! Bookmark not defined.</b>
1.4 Project Scope.....	<b>Error! Bookmark not defined.</b>
1.5 Target Audience.....	<b>Error! Bookmark not defined.</b>
1.6 References.....	<b>Error! Bookmark not defined.</b>
<b>2. Requirements.....</b>	<b>Error! Bookmark not defined.</b>
2.1 Functional requirements.....	<b>Error! Bookmark not defined.</b>
2.2 Non-functional requirements .....	<b>Error! Bookmark not defined.</b>
<b>3. Design.....</b>	<b>14</b>
3.1 Database Schema.....	14.
<b>4. Process.....</b>	<b>18</b>
4.1 Development Process.....	18
4.2 List of APIs.....	18
<b>5. Data Flow Diagrams .....</b>	<b>Error! Bookmark not defined.</b>
5.1 DFD Level 0 Diagram.....	<b>Error! Bookmark not defined.</b>
5.2 DFD Level 1 Diagrams .....	<b>Error! Bookmark not defined.</b>
5.3 DFD Level 2 Diagrams .....	<b>Error! Bookmark not defined.</b>
5.4 DFD Level 3 Diagrams .....	<b>Error! Bookmark not defined.</b>
<b>4. Usecase Login/ signup.....</b>	<b>Error! Bookmark not defined.</b>
4.1 List of actors .....	<b>Error! Bookmark not defined.</b>
4.2 Use case diagram .....	<b>Error! Bookmark not defined.</b>
4.3 Usecase description model .....	<b>Error! Bookmark not defined.</b>
Use Case.....	<b>Error! Bookmark not defined.</b>
<b>5. Test cases.....</b>	<b>33</b>
<b>6. Class Diagram .....</b>	<b>Error! Bookmark not defined.</b>
<b>7. Screenshots .....</b>	<b>Error! Bookmark not defined.</b>
<b>8. Conclusion .....</b>	<b>41</b>
<b>9. Future.....</b>	<b>Error! Bookmark not defined.</b>
<b>10. Appendix .....</b>	<b>Error! Bookmark not defined.</b>

# Restaurant'O

**Project Title** Restaurant'O

**Objective** Food restaurants are getting trendy either due to food love or food need and Today's world is in more hurry than ever before. People get frustrated if they have to wait much for getting their food served at restaurants. For this purpose, the "Restaurant'O" is to provide a platform for common people to place their selected food order at their selected place through mobile phones and get it ready when they get there

**Supervised by** Syed Farooq Ali

**Starting Date** 10-DEC-2014

**Completion Date** 29-OCT-2015

**Tools Used** MOBILE APPLICATION:  
Android studio1.4.0, GCM for push notification, Google API, HTTP client.  
WEB APPLICATION:

Yii 1.0 PHP framework, MYSQL, Rest API.

**Operating System**    ANDROID – 5.0 LOLLIPOP

## 1. INTRODUCTION

---

Restaurant'O has been established to fulfil a need of society and to ease people's new trends of food in their busy life style.

### **1.1 Project Overview**

The application aims to work as there will be almost every restaurant available with their updated food menus. Any person can logon to the application, search for the desired restaurant, check their menu, select the meals and place the order before leaving home or any source place. Restaurant will call back to confirm the order and you will get it served when you reach there. Thus avoiding the wait to get the order ready.