

# Estate management system



**SESSION (2015-2017)**

Submitted By

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**SCHOOL OF PROFESSIONAL ADVANCEMENT  
UNIVERSITY OF MANAGEMENT & TECHNOLOGY, LAHORE**

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## **DEDICATION**

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*DEDICATED TO OUR RESPECTED PARENTS AND FAMILY WHOSE UTMOST LOVE, CARE AND STRUGGLE AGAINST ALL ODDS BROUGHT US TO THIS HEIGHT OF KNOWLEDGE AND ENCOURAGED US TO COMPLETE THIS DEGREE AND WERE MAJOR DRIVING FORCE BEHIND OUR ALL EFFORTS WITH THE BLESSINGS OF ALMIGHTY ALLAH*

## ACKNOWLEDGEMENT

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We are thankful to **ALMIGHTY ALLAH** who gave us courage and passion and prayers of our parents and teachers to achieve the goal that was necessary for the degree. Although it was not an easy task, with the useful direction, kind supervision and co-operation of **Mr. Abdul Haseeb Shujja**, it became easy for us to complete the research work. We are really grateful to our Project Supervisor because of his profound interest and encouragement throughout the project work.

We would like to acknowledge **Dr. Naveed Yazdani** Director, School of Professional Advancement, UMT Lahore, for encouraging and providing us all the facilities throughout the project.

Last but not least, we extend our sincere appreciativeness and thankfulness to our Families for their incredible encouragement. Their love and support means a lot to us.

# Estate Management System

**SESSION (2016-2017)**

This project is submitted to the School of Professional Advancement, University of Management & Technology Lahore, for the partial fulfillment of the requirement for Master Degree in Computer Science.

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## ABSTRACT

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Computing applications and the users of the this application are growing at very high rate. Cloud computing, bioinformatics, video surveillance systems and grid computing have shown up to meet these requirements. Due to this extraordinary advancement, none of the current business can manage their operations without computing applications and cannot compete in the market.

Most of the businesses have shifted their core business to IT infrastructure to avail the unlimited functionalities one cannot imagine in past. The ones which are working without centralized computing system are lagging far behind from the efficiencies and faster outputs of the modern era.

Data management has become the most basic need of the organizations. Computer sciences have provided efficient tools to the users for different data structures and their management to moderate operations and storage. Once data is stored in with relations it provides easy management and reporting results using a different set of applications and user interfaces as per the user's requirements. SQL is the language available to store and manipulate data for organizations to get the operational outcomes and managerial perspective.

Computing applications are programmed by designing the requirements solution keeping in mind business structure of the respective organization. Applications are designed to manage the database by providing a different set of user interfaces and their approach to manipulate data. Every user story (requirement) is managed by the application program in order to get the business operations streamlined for the best outcomes and results.

A major portion of the market is adopting the centralized computing system to manage the businesses. Not only the big fishes but also the small business sectors have strengthened themselves by adopting centralized data structure and computing applications.

## PREFACE:

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We have completed our MICT program from UMT and we decided to work on database related project. For our FYP we looked around to find some task which can be helpful for someone and our project be readily saleable. We found most of the real estate businesses operating in our country haven't adopted a systematic approach towards their daily operations. We visited a real estate business named OASIS Associates to check how they work. This business is working by undergoing sales of plots within different societies under its domain by their support staff (dealers or agents). The business owner is concerned with managing business customers and the employees in terms of their commissions' reimbursements.

Currently, OASIS is managing their business using excel spreadsheets to record the data of all sales and at each month end admin calculates the commissions gained by each of the dealer/agents. After the detailed meeting, we came up with a solution for real estate businesses.

There is a contract between OASIS, UMT & Our group to manage the proceedings of the project. By which we have to provide the running software to the organization and they will decide to consider it for their use (either feasible or not). Once they will agree to adopt the software then we will undergo an official contract for sale. Currently, we are working to make the project a success for us and the organization as well.

We have named our project Estate Management System (EMS) which is a generic product for real estate projects. We have kept in view basic requirements of the field and their desired outputs. For streamlining this project we coordinated with OASIS team and gathered all required information regarding their business operations. We summed up the requirements of the project and designed a database to manage all the operations of the organization. With the base in SQL, we designed complete application EMS for the specific organization which is currently workable for OASIS associates.

We have targeted the real estate business for our product as most of such organizations are working without such innovation. Related organizations can avail this product with very few basic amendments and can manage their business with an effective systematic approach. This application will be helpful for the small organizations as well, which working with a limited set of societies. Users can manage their records and can synchronize their daily operations with the database to get the desired outputs. We have kept in view the major requirements of business owners to keep a birds eye view of all the organizational proceedings with ease. Our product's specialty is providing designed reports for the business owners to manage their employees and records with a streamlined approach. The system will be helpful for employees of the business and will require their regular inputs to manage the dataset and thus will be able to provide formulated outputs as per requirements.

We thank our respected SPA faculty especially **Sir Abdul Haseeb Shujja** who helped us in managing our tasks and helped us streamline this project. We also thank OASIS Associates for their contribution of sharing related documents and organizational structure along with their requirements to make this project a success.

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# **INTRODUCTION**

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# 1. INTRODUCTION

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Today world is progressing day by day and innovations are coming in business rapidly. Technology makes everyone's work easy. We have to update ourselves if we want to survive in today's business market. For this, we have visited different markets and interviewed many individuals. After a thorough research, we came to know that there is a big demand of database management system for property dealers. They usually write their calculations on a notebook or use excel sheets in some cases which are time-consuming and it is very difficult for them to write on excel sheets, do calculations and getting reports(i.e. daily, weekly and monthly).

## 1.1 Project Overview

We coordinated with a renowned property dealer of Lahore "OASIS ASSOCIATES". We visited their office and asked about their working and operations which they undergo daily. After a thorough study of their business, we suggested a system for them and named it **Estate Management System**.