Final Year Project Report

Auction mart

Project Advisor:

Rao Faizan Ali

Submitted By:

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Session

2012-2016

School of Systems and Technology

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Dedication

The project in which we have worked on will be dedicated to our family specially our parents who have supported us to reach at this point of our life, teacher, and friends for encouraging us to work on the project and for supporting us by giving us all the resources in which our project can be developed and we can complete our task. This project was very difficult to be done without the help of our teachers and our friends to who have helped us and motivated us in each part of this stage of life.

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** _____

Acknowledgment

First of all, we thanks to Almighty ALLAH for giving us the power to complete the project in time. We wish to express our honor and gratitude to our parents, whom prayed for us and due to them we achieved that success. We wish to express our deep sense of gratitude and honor toward our Advisor**, Rao Faizan Ali,** for giving us a chance to work with him. His inspiring guidance and constant encouragement helped us for completion of our project. We also wish to thanks to all our colleagues in the university who helped us during project development time to time.

Project Title: “Auction Mart”

Objective

To provide a platform for assigning, dicussing, selling and purchasing project online.

Undertaken by

Abdul Rehman and Rana Umer

Supervised by

Rao Faizan Ali

Starting Date

December 10th, 2015

Completion Date

December 10th, 2016

Tools Used

Visual Studio 2015, SQL Server 2014 Management Studio, Adobe Photoshop

Languages Used

HTML, CSS, JavaScript, JQuery, Asp.NET, C#.NET, .NET, Bootstrap

Operating System

Windows 10

Abstract

The purpose of this project is to build an “on-line auction management system”, a place for buyers and sellers to come together and trade different projects. In fact, the system consists in a web-portal where registered users can propose new auctions, place bids in order to buy the projects on auction, send messages to other users and receive automatically news via e-mail (when they receive new offers for the proposed auctions, when an auction is over etc.).Registration of users is preceded by a “pre-registration”, to check whether users insert their real e-mail address, they receive an e-mail with an auto-generated secret code that they will be asked to type in a second moment to confirm the data (name, address, phone number etc.) they entered. Without this confirmation, a user cannot access the functionality of the portal. Moreover, administrators have the possibility to accept or refuse auctions proposed by users, to view information about users and projects and to create, modify and delete the categories of auctions.

REVISION CHART

Version	Primary Author(s)	Description of Version	Date Completed
1.0	Rana Umer	Initial draft created for requirement gathering and review comments.	December 20th, 2015
1.1	Abdul Rehman	Second Draft created for reviewing and finalizing project requirements.	March 25rd, 2016
1.2	Rana Umer	Third Draft created for reviewing functional diagrams.	August 18th, 2016
Final	Rana Umer, Abdul Rehman,	Final Draft created for gathering all the important functionalities and design of website at one place.	December 5th, 2016

TABLE OF CONTENTS

Definitions and Acronyms

Table 1: Table of Acronyms and Definitions

Acronym	**Definition**
SQL	Structured Query Language
CSS	Cascading style sheets
HTML	Hyper Text Markup Language
PHP	Personal Hypertext Preprocessor
JSON	JavaScript Object Notation
IDE	Integrated Development Environment
ER	Entity Relationship
CFD	Context Flow Diagram
DFD	Data Flow Diagram

List of Figures:

List of Tables:

1. INTRODUCTION

A world that loves to participate in real-time activities would certainly appreciate the idea of an online auction system that opens 24/7. Unlike the traditional auctioning method, this modern system brings together buyers and sellers from across the globe to a single location. Since the items are listed for few days, bidders can think and study the deal before bidding. Since, there is no geographical or time restrictions, the number of bids received will be more. The cost for conducting an auction online is less when compared to physical auction sales and the price of the items are also low. This way both parties the buyer and the seller are benefited. Retailers and distributors can test new products, quickly sell off excess inventory and get new customers. Auctions taking place between customers, companies and businesses have gained popularity.

1.1 Motivations:

We all learned things from other people who were willing to share their knowledge with us in the same way we share our knowledge with others. In this sense, human society can be viewed as a network of "knowledge sharing peers" [1] the power of which can be appreciated by the fact that most of the things we know actually come from our participation in this network. In the same way that human possess knowledge about the world so do organizations (like universities, companies etc.) which they store as database information. So, imagine the possibilities that would arise if this knowledge could be shared in the same way as humans. However, creating a peer to peer (P2P) system where peers can share semantic-rich information (databases) is very difficult.

A P2P system is a network of machines where all participants act as service providers to the entire network and at the same time take advantage of the collective service provided by the other participants. The dynamic nature of the network, the lack of centralized administration and the fact that its power increases as more peers join makes the P2P networking a very attractive model and has been used successfully by popular file sharing systems. But sharing file is easy! There is no consideration of the semantics of the data (The meaning of the information in the files) [2] and a file is identified by a small fixed set of attributes hence locating a file can be done by simple string matching. This makes the communication between the peers feasible. So, what would happen if we tried to move from sharing just plan files to sharing richer and more structured data like database information?