A REQUIREMENT MODEL FOR ONLINE AUCTION SYSTEM FOR UUM

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A REQUIREMENT MODEL FOR ONLINE AUCTION SYSTEM FOR UUM

A thesis submitted to the Faculty of Information Technology in partial fulfillment of the requirements for the degree Master of Science (Information Technology), Universiti Utara Malaysia.

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ABSTRACT (ENGLISH)

Currently, many organizations or companies do business related to sell-buy by online. Online auction is a field which can increase the economic between auctioneers and bidders. The online auction presented in this study is to bring together between sellers and buyers around campus. This study provides a common prototype of an online auction system. The concept of online auction is to search the highest bid from each auction that is already published. This prototype applied an English auction as a type of auction. A requirement model of online auction also is produced in this study. The requirement model has benefit to explain detail all processes which is exists in online auction by translating into visualization in order to be easy to understand. On other hand, the visualization will come out with several reflecting diagrams by describing each process relevant to online auction.

ABSTRACT (BAHASA MELAYU)

Kini, terdapat banyak organisasi atau syarikat yang menceburi diri dalam perniagaan jual beli secara talian terus (online). Lelongan secara talian terus ini merupakan satu bidang yang dapat menyumbangkan kepada peningkatan ekonomi antara pelelong and pembida. Kaedah lelongan secara talian terus yang digunakan dalam kajian ini adalah bertujuan menemukan penjual dan pembeli sekitar kampus. Kajian ini mengunakan kaedah prototaip yang sama dengan lelogan secara talian terus yang sebenar. Konsep lelongan secara terus ini adalah untuk mencari pembida tertinggi bagi setiap lelongan yang disiarkan. Kajian ini mengunakan medium English sebagai salah satu jenis dalam lelongan. Tujuannya untuk meningkatkan harga bidaan menjadi lebih tinggi. Selain itu, setiap proses yang terdapat di dalam prototaip lelongan secara terus ini diterjemahkan dalam bentuk visual dengan melakarkan setiap proses secara terperinci dalam bentuk diagram.

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CHAPTER 1

INTRODUCTION

1.1 Background

The volume in trade and sale is increasing because as it becomes a strong economics symbol in the world. However, in digital era such nowadays IT role is necessary as a facility to make any aspect go forward and it is very useful especially to develop and improve economic aspect in the future because of information and technology can be a tool for giving a service in doing of link corporation between organizations and companies around the world in term of establishes a good connection and distributes their products to global market.

One of services which support sales of products or goods through the internet is an online auction such as e-bay refers to Weber (2005). In addition, many companies that use online auction systems to advertise auction items to the public, manage to sell their product as fast as many product possible. The online auction is an offer aimed to auctions in which the concept is to search a winner from the winning price has been determined previously according to pre-defined auction rule (Peng et al., 2003). The online auction system has several properties which is called as auction scheme (Peng et al., 2003). Actually, these properties exactly required in auction scheme are divided into two: basic and optional. Basic properties include correctness, confidentiality and fairness. Optional properties include anonymity, privacy, public verifiability, robustness, price flexibility and rule flexibility. Both of these properties are created to make the requirements of applications and services are satisfied which supports in undertaking the online auction that specifically is aimed to make efficient computation and communication in the online auction system for the future.

The contents of the thesis is for internal user only

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