CIS 640 – E-Commerce and E-Auction (Spring 2000)

Project Requirements Specification

Goal

The object is to develop and deploy an e-auction service for buying/selling dreams.

Specifics

- A basic front-end for this purpose will be provided to you.
- The commodities to be traded are dreams. These can be in the form of a text file, audio file, video file or a combination of these.
- You can implement it on any platform of your choice. We have the following at your disposal: Windows NT Server, MS Site Server, Linux with Apache Server, PHP, Oracle, etc.
- The emphasis would be on the functionality and correctness rather than on extraneous features.
- You are to submit your design documentation containing the details of the features you are going to implement and present your design in class on Monday, 21 February 2000. Each group will have 10 minutes for their presentation. Furthermore, as part of your presentation, you must do the demo 1 (see below) of your system.
- Submit an intermediate progress report of your work by Monday, 6 March 2000.

Requirements

The following are the minimal requirements.

- Implement at least one auction method. (refer to the lecture on e-auction).
- Provide a mechanism for buyers and sellers to register.
- Implement bidding control for the appropriate type of auction.
- Allow for multiple bidders being active at the same time.
- Implement auction closing rules appropriate for your type of auctions and notification mechanism for winners and losers.
- Implement some form of payment scheme.
- Implement security mechanisms to prevent unauthorized postings, bid tampering, security of transactions, etc.
- Implement trade settlement mechanism.
- Implement scheduling and advertising mechanism.
- System must work in real-time and have a reasonable response time.

Demo 1

- Implement and demonstrate a reasonable registration mechanism for the users of your system.

Other Demos and Final Demo

- Several other intermediate demos of your system may be planned.
- Schedule for these and the final demo will be drawn separately.