CS261:OBJECT ORIENTED PROGRAMMING

(Mid Sem Project Report)

On

Online Bidding System

Team members

Sahil Kumar Meena 201951132

Sanskar Srivastava 201951136

Sudhanshu Kumar 201951154

Vinay Wankhede 201951168

CS 261

Object Oriented Programming

Course Instructor: Dr .Ashish Phopholia and Dr .Novarun Deb

PROBLEM STATEMENT

Online Bidding System is an idea that came to our minds amid this coronavirus outbreak. Everything even our teaching system with every possible event has gone completely online. Whilst all this our bidding system for any inter or intra Institute competition is offline and requires manual data storage .Not only this but there are many places where bidding is done offline so to tackle this problem we are creating an online bidding system which takes all these processes online. By this system from registering players, owners details to helding the bidding all is done online in real time.

By our system we can manage profiles of every player ,his/her last previous year stats . Which can be very useful for future biddings. We can check that bidding is done in a fair way without any cheating. Even all the events can be done in pre-defined manner with proper schemas and that can be easily delivered to all the audience(here every student) . We wanted to make every thing player details, events schedule, live bidding, team details transparent to everyone.

All the above mentioned points that we want to happen lag todays bidding system. Thats why we wanted to work on this project and make the bidding process more audience friendly.

WHAT WE HAVE DONE SO FAR

Till now in this project we have created an GUI i.e. Graphical User Interface using Java Swing , we have also created a database using MySQL and have connected them using JDBC i.e. Java Database Connectivity.

By now we have created pre and post auction system i.e we have created a registration form that takes user details and store them in the database. A login page that allows users /owners and admin to efficiently login in their account.A detail page that shows user his or her details based on his /her login credentials. In registration form, he or she registers by pressing “Sign Up” button at bottom. Then after that a new page/interface of registration form will be open in which the user has to input his personal details such as name, date of birth, gender, age etc. After filling details, you submit it and the data you enter will get stored in database and the user will get a system generated login ID and password which he/she will be using to login so as to see their profile. In this we have feature of updating his/her profile due to which the data that was previously stored in database will get updated. After storing data in database, we can also fetch data and create a user repot. We are creating dynamic pages for better functioning.

In addition to this till now we are also working on backend of project i.e. Java servlets and Server and also on SSL i.e. Secure Socket Layer which gives security to the data that is transferred from web browser to server and Firewall which is a network security system that monitors incoming and outgoing network traffic based on some security ground rules and this work is still in process.

HOW WE PROCEEDS FURTHER

As far we have created/implemented MySQL Database, Java Database Connectivity (JDBC), GUI using swing, Java Servlets, Tomcat server as discussed earlier, now what we are going to do next is-

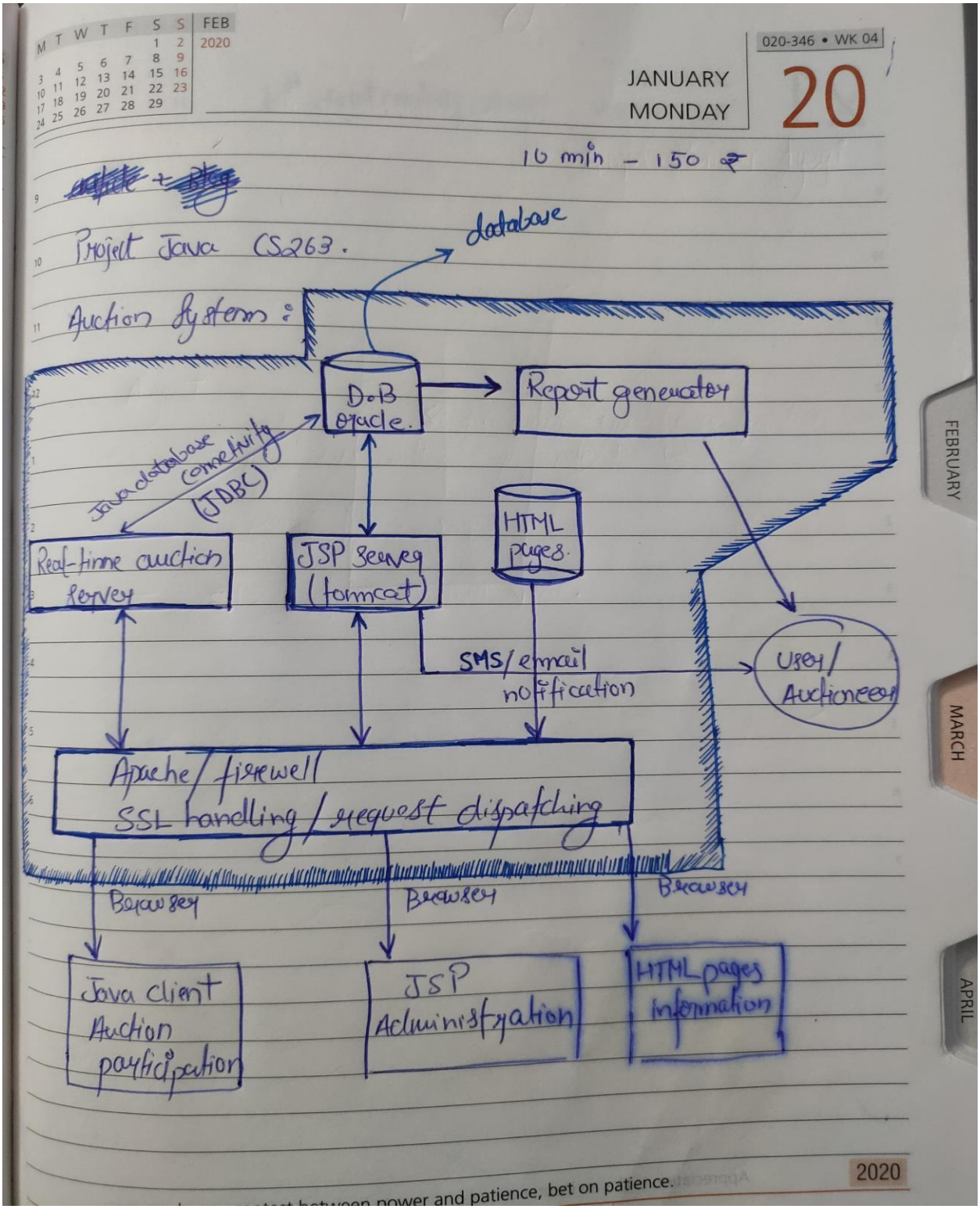
1. By using Java Servlets we would create (i) Static pages i.e predifed html web pages use only client-side HTML and CSS code.(ii) Dynamic pages that fetch data from our MySQL database and create an Report basically work as Report generator. dynamic pages rely on both client-side and server-side .

2. High security standards are crucial. Any kind of data disclosure or manipulation must be prevented. SSL is the best choice, being supported by common browsers.

3. The real-time auction server is the central part of the system and controls the online auctions. It reads auction data from the database and cooperates with the Java clients to provide them with dynamic information about the auctions, receives their bids and ensures all bids are correctly displayed on the computers of all other auction participants. The JSP server, invoked by Apache to handle requests for the dynamic JSP web pages to administrate auction data. The standard JSP implementation Tomcat [Tomcat, 9 Version] was used for this purpose.

4. The report generator, a Java-based program that accesses the database, automatically creates auction reports (e.g. participants, bidding curve, best bid and other statistics) and mails them to the user.

ROADMAP


JANUARY
MONDAY
20
FEB
2020
020-346 • WK 04
16 min - 150 ₹
Project Java CS263.
database
Auction systems :
D-B oracle.
Report generator
Java database connectivity (JDBC)
Real-time auction server
JSP server (tomcat)
HTML pages.
SMS/email notification
Users/ Auctioneers
Apache/ firewall
SSL handling / request dispatching
Browser
Browser
Browser
Java client Auction participation
JSP Administration
HTML pages information
FEBRUARY
MARCH
APRIL
2020