

ONLINE BIDDING SYSTEM

ABSTRACT:

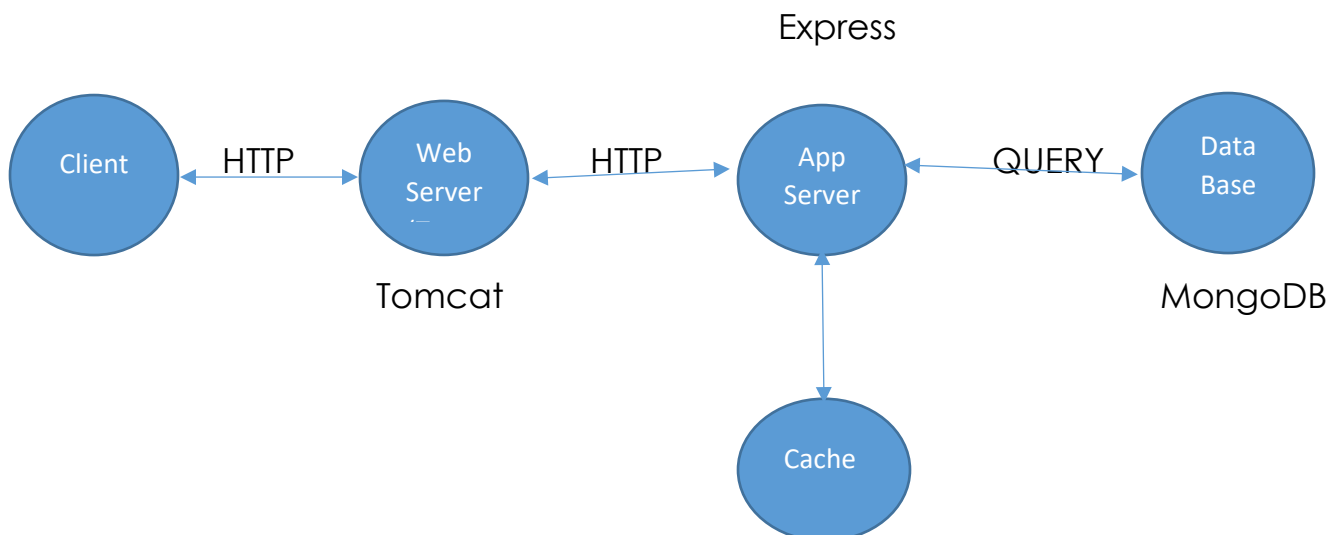
Web based Bidding System is an online site that was intended to exhibit the fundamental functionalities of different electronic programming dialects, for example, HTML, CSS, JavaScript, Angular JS, Node JS Restful API, ORM Framework and so forth. In this project we have outlined an adaptable, responsive site that incorporate all the essential functionalities of a shopping site, for example, client enrollment, login, altering profile, hunting down the required items, putting offers on items, adding to cart, check out, Automated email on looking at and so on. Here one App Server and one Web Server are utilized, one for actualizing the customer administrations and one for executing the Web Services. A store has been executed to enhance the execution of the demand reaction. Mongo DB is executed as the database to store the every one of the information identified with the Online Bidding site. Express is utilized as the App Sever for conveying the web administrations, Tomcat is utilized as the Web Server. The client can get to the site just utilizing the customer administrations. In the event that any of the enrolled or unregistered clients attempt to get to the web benefits specifically, they are diverted to the customer administrations i.e. to the sign in page. The correspondence channel between the Client administrations and the web administrations is encrypted utilizing TLS/SSL.

INTRODUCTION

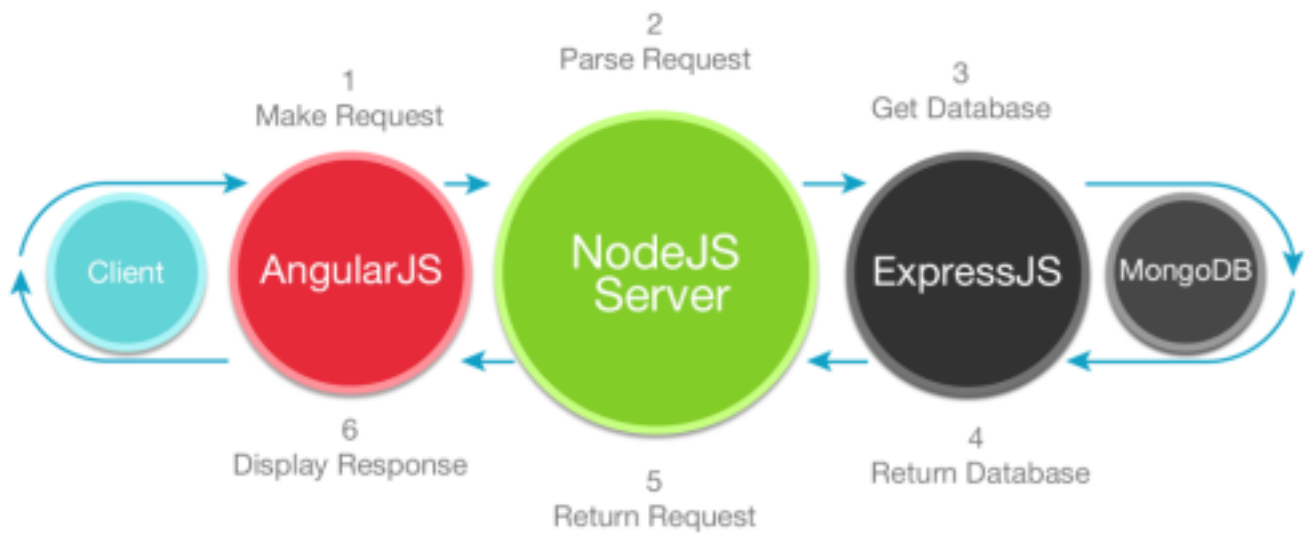
Online Bidding System is web based Bidding site which comprises of different sorts of items where a client can post the items he need offer. In this site we can seek the required merchandise in view of the client necessity, i.e. client can look the thing that are posted by different clients and can bid for the thing he needed to and the price he needs to. The client that posted the thing can see the offers on the item he posted and look at the item with the best cost or the most noteworthy offer and the confirmation email is sent to the client that his request is put.

The client has likewise the alternative to alter his profile details on the things and single sign in with person to person communication site (i e: Facebook). The thing that is posted for offering ought to have no less than four attributes to it's name. The client can who posted the item can just look at the item he posted and the items can be sorted and sought with the traits that accommodated the item

ARCHITECHTURE:



MEAN STACK ARCHITECTURE:



TECHNOLOGIES USED

The various technologies that are used for the implementation of this project are as follows.

- Servers: Tomcat (Web Server), Express (App Server)
- Client Services: HTML, CSS, JavaScript(Angular JS)
 - The above advances are chosen for the execution of the customer administrations since it is anything but difficult to actualize them, it performs well and gives an open door build up a rich and productive client collaboration.
- Web Services:
 - Node JS API is used to implement the web services.

- This was executed the web administrations since it is one of the prominent innovations and is anything but difficult to handle.
- Cache: Mem-cache is used to implement the cache.
 - It is a universally useful storing framework which is generally acknowledged and utilized. It is frequently used to accelerate dynamic database-driven sites by storing information and protests in RAM to decrease the quantity of times an outer information source must be perused.
- Database: Mongo DB is used.
 - It is a No SQL Database management system. It gives different functionalities, for example, High accessibility, versatility, security, programmability, straightforward entry to the information (both of big and small) and so on.
- Communication Channel: TLS/SSL was utilized to encode the correspondence between the customer administrations and the web administrations. This gives a protected method for correspondence between the client and the database with no loss of functionality.

CLIENT SIDE FUNCTIONALITIES.

The various functionalities that are supported by Client services are as follows.

- User creation or registration

- User login
- Edit profile
- View Bids/Place Bids
- Post Products/View Products
- Add to Cart
- Update the item count in cart
- Checkout
- Automated E-mails.

These functionalities are available to the user from the front end i.e. from the application which is available to him.

WEB/SERVER SIDE APPLICATIONS.

- Check and create new user

- Check and create new user id and password.
- Login for the User
- Get the user profile information
- Post an item for sale(bids)
- Search the posted items.
- Placing bids on posted items.
- Add the Selected Items to the cart.
- Show the selected Items in the cart.
- A page listing all the previous items in the order
- Send an E-mail to the user after successful checking out from cart and placing the order.

PROBLEMS ENCOUNTERED

- The major problem that we encountered for the completion of the project is the setup of the environment for the project.
- Sending of E-Mail.
- Caching
- Debugging

TEAM INFORMATION (IGNITED MINDS)

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