README

Technologies Used:

Front End: HTML, CSS3, AngularJs

Database: SQL

Server side Implementation: JSP

Web Services: RESTful methodologies

Basic Functionalities of the web application:

1. Sign in/Sign up

2. User profile information display and editing

3. User login information: Last time, date, and location of valid login

4. Post items or services for sale

5. Bid for items or services on sale

6. Dashboard with the list of posts the user has made and the corresponding bids

7. User can also do a filtered search on his posts and on the database to find out the recent items posted by other users

8. Move the preferred bid to cart and check out items on cart

9. A shopping cart that can add, remove, update number of items on cart

10. On order submission, email will be sent to the bid and post users

Additional Features implemented:

1. Object-Relation Mapping (ORM) Framework: performed mapping of object-oriented domain model to RDBMS tables using ORM frameworks such as Hibernate (Java)

2. High Performance using Distributed Cache: Implemented Memcached

3. Client-Server Communication Encryption: encrypted the communication channel between the client (i.e. browser), web site server, and Web Services server using TLS/SSL

4. Request/Response Compression: performed compression (e.g. gzip) of:

 a.web site server's response to the client

 b. web site server's request to the Web Service server