**Name of project: Barter Box**

**Problem Statement:**

Create a web application (mainly focusing on the front end) using technologies like HTML, CSS, Javascript, Bootstrap, PHP, jQuery, Angular JS, MySQL, Ajax and other technologies as per choice.

**Approach**

Created an e-commerce like website “Barter-Box”, with major concentration on the user interface of the application. The users can buy and sell their things online; a login portal, an option to upload things and browse those uploaded products based on its category, are available.

Executed several filters for different categories, based on their unique features, to enhance the browsing experience. A detailed product description page along with an option to chat with the seller, if interested in purchasing their product, is made possible with the implementation of a chatroom feature. Technologies used include Html, CSS, JavaScript, PHP, Bootstrap, jQuery, AngularJS, MySQL, NodeJS, Wamp Server.

**Technologies used**

Html, CSS, JavaScript, PHP, Bootstrap, jQuery, AngularJS, MySQL, NodeJS, MongoDB

**Getting started**

For proper working of the project we will be needing:

node.js

web sockets-socket.io

express

mongodb

Wamp Server

Once installed go to the path location-

1. once node and mongodb are installed run mongodb (for running mongo instructions are at the bottom of the page).

2. open gitbash or run command prompt and go the the project location inside Chat folder

3. run the command 'node install' -(if not working could run [node express install --save for all the dependencies persent inside the server file])

4.once every dependency are installed, run 'node server'.

5. and run the localhost:3000 -for chat server which uses socket.io for handshaking,

6. if want to run the home page the run the wamp and run on localhost

Running of mongodb -

1. open cmd and go to the mongodb's bin location (make sure to run as administration if its on C drive)

2. run the command -'mongod'

3. open other terminal and go to the mongodb file location and run the command -'mongo'

4. check if the connectivity is made.

**Description in Detail**

A user can upload any product (new or old) for sale. User needs to be registered first. He needs to give the details of the product and the category to which the product belongs. Customers can surf the website and select any product they want to buy. Recommended products would be displayed. The details of the product along with the information of the owner of the product would be displayed. Customer can chat with the owner for further details.

To understand the application flow along with the screenshots, please refer the document screenshots.docx

**Team**

This was a group project. My contribution towards the project was all the front-end pages and database connection using PHP.