

eAuction Web Application Development

The framework of eAuction is already uploaded on eAuction server. Please refer **HowToConnect2eAuctionServer.pdf** for how to connect to the eAuction server and source code directory structure. If you have not read **HowToConnect2eAuctionServer.pdf**, please read it first.

Browse by category is fully implemented. Two more major modules need to be developed: search module and Please Bid module.

Please read section 1 & 2 for how “Browse by category” is implemented. Please read section 3 for how to develop the search module and read section 4 for how to develop the place bid module.

Note: The complete source code is on the eAuction server and a copy is saved in William’s google drive in DatabaseProject directory. Please copy the source code to your local machine and do development on your local machine. Then only upload/copy the file which you have modified to the eAuction server to test.

1. Browse by category and Home


“Browse by category” and “Home” are fully implemented. Please follow the following flow to learn how “Browse by category is implemented”:

- (1) When an item is clicked in the drop-down menu, say “New” is clicked, then in `index.html` file, `javascript browseByCategory('year', 'New')` function is called
- (2) In `eAuction.js` file, function `browseByCategory()` will call `SelectByCategory.php` with two parameters `type='year'` and `data='New'` via HTTP protocol. Once `SelectByCategory.php` is done, the output of `SelectByCategory.php` will be HTTP response and is saved in `httpText`. And then `updateHtmlDynamicPart(httpText)` is called. `httpText` will be used to replace the innerHTML of `<div id="DynamicPart"> ... </div>` in `index.html`
- (3) In `SelectByCategory.php`, it will use parameter `type='year'` and `data='New'` to query database tables to construct html as output

2. Development Tools/Environments

- (1) For develop HTML, javascript, and PHP code, you can use any editor. But I would suggest to use Adobe Dreamweaver. A copy of Adobe Dreamweaver 2017 is saved on William’s google drive in Database project directory.
- (2) For debugging, I would suggest to use Firefox which has very good debug tools. It can execute javascript and php step by step. It can inspect HTML elements and codes.

3. Search Module

The search module framework is already done. When the user type any text in the search field such as “2017 BMW x3” in , then hit Enter key or click the Submit button, the text “2017 BMW x3” will be passed to `search.php` module.

Please try the search functionality in a web browser by typing <http://23.21.193.224:9020> in the web browser address field, then type any text in the search field and click Submit button.

To develop the search module, you only need to work on **search.php**. If you have not study section 1, please study section 1 first, then read the comments in `search.php` to do the development.

4. Place Bid module

The place bid module frame work is already done. When the user click on a “Place Bid” button



, the corresponding `auctionID` and the current logged in `userId` will be passed to `placeBid.php` module.

Please try the Place Bid functionality in a web browser by typing <http://23.21.193.224:9020> in the web browser address field and then click on any Place Bid button.

To develop the Place Bid module, you only need to work on **placeBid.php**. If you have not study section 1, please study section 1 first, then read the comments in `placeBid.php` to do the development.