

# Baymax : SimplyCharmlings : Project 6

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## Assignment 6

- **SETUP**

- New files in **project 6**:
  - `index.html` : AJAX JQuery
  - `home_ajax.php` : AJAX PHP
  - `search.html` : JQuery UI Widgets - `autocomplete()`
- Database scripts:
  - Under path : `SimplyCharmlings/sql/`
    1. `simplycharmlings_build_script.sql` : script made from us
    2. `simplycharmlings.sql` : script dumped from PHPAdmin
- JQuery library:
  - Bootstrap (CDN)
  - JQuery UI (Local)
  - AJAX (Google CDN)

- **AJAX** : `index.html`

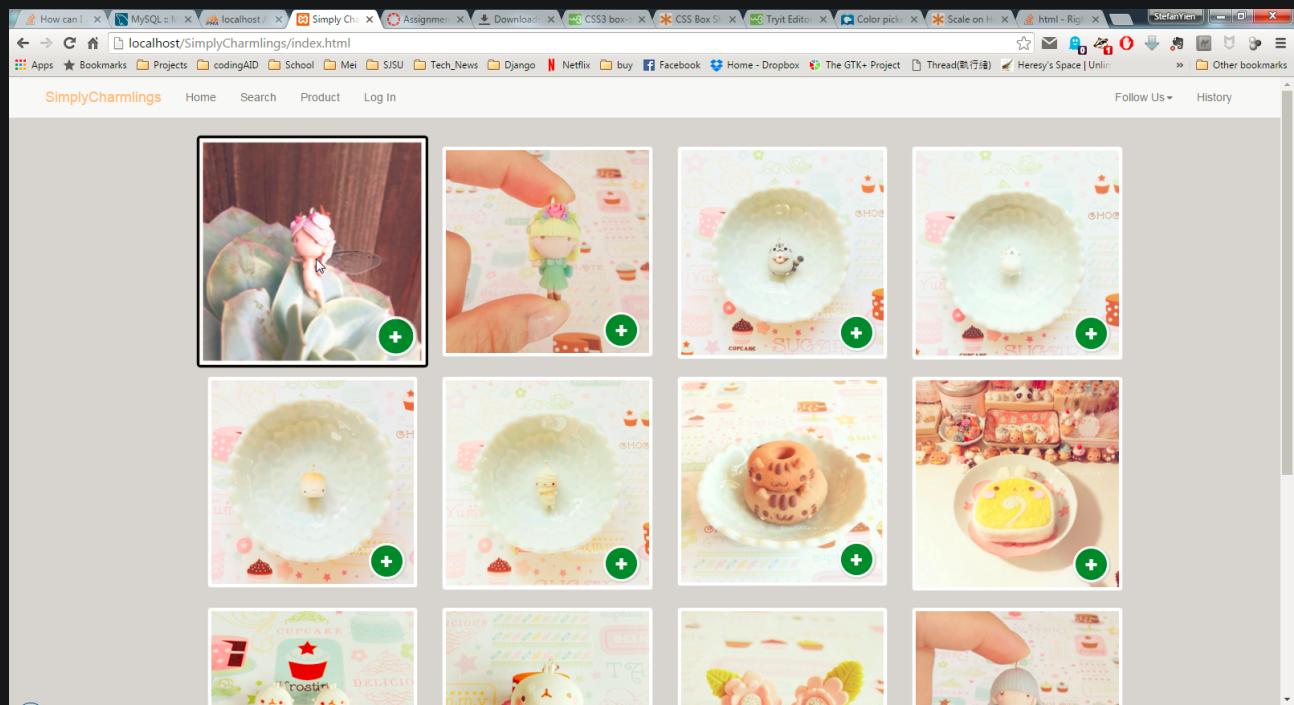
- Allowing users to click images of promo-products that were displayed in home page. Once the **clicking** event is triggered, JQuery will send the corresponding image url to the **PHP** script, `home_ajax.php`, through POST method. Then, in PHP script, we

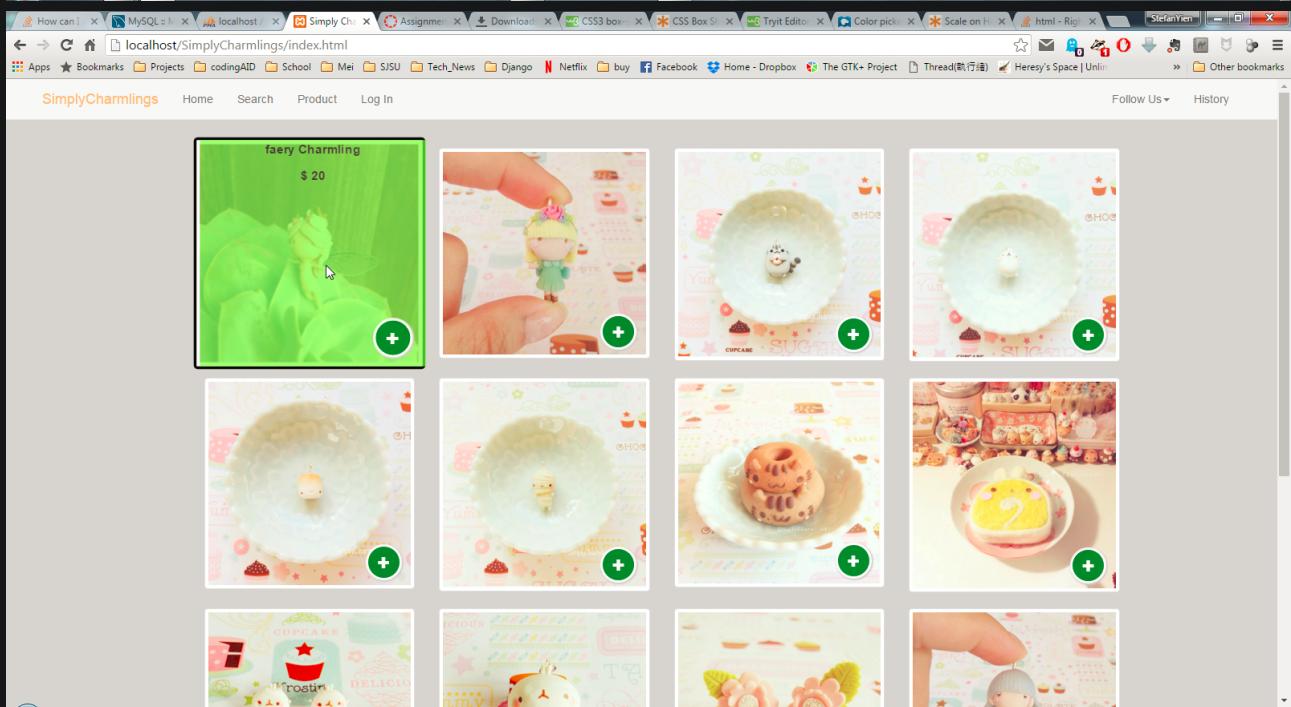
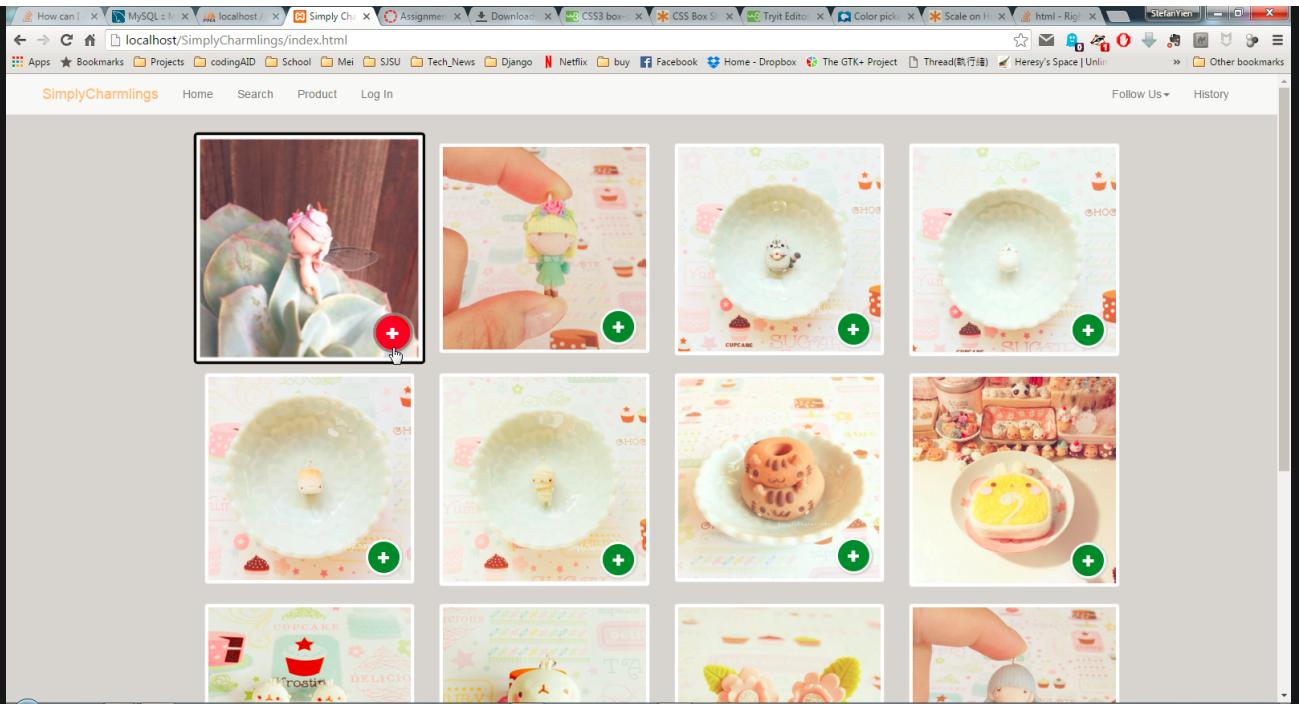
will retrieve (1) **product name** and (2) **product price** from database based upon image url. (Using inner join). At the end, we build up html string and send it back to `index.html`.

## code:

```
$('.thumbnail').click(function(){
    var url = $(this).children("img").attr('src');
    var text_box = $(this).children("span");
    $.get("home_ajax.php",
        {"img_url": url},
        function(data){
            text_box.html(data);
            text_box.css("display", "block");
        });
    setTimeout(function(){
        text_box.css("display", "none");
    }, 1000);
});
```

## screenshots :





- **JQuery UI : search.html**

- Providing the searching suggestions to users through **JQuery UI autocomplete**.
- We implemented advanced feature to **autocomplete** method by using **regex** to search available options character by character and then manipulating matching characters through JQuery selector. At the end, render and return the new string.

**code :**

```
var $_searchQuery = $('#search_text');
var data = [
    "red",
    "white",
    "black",
    "yellow",
    "pink",
    "green",
    "brown",
    "Faery Charmling",
    "Pusheen",
    "Molang",
    "MarshMallow",
    "Mummy",
    "Donut",
    "Molang Swiss Roll Cake",
    "Molang Ear Rings",
    "Cupcake",
    "Flower Ear Rings"
];
$.ui.autocomplete.prototype._renderItem = function (ul, item) {
    var re = new RegExp($.trim(this.term.toLowerCase()));
    var t = item.label.replace(re,
        "<span style='font-weight:600;color:#5C5C5C;'>" +
        $.trim(this.term.toLowerCase()) + "</span>"
    );
    return $("<li></li>")
        .data("item.autocomplete", item)
        .append("<a>" + t + "</a>")
        .appendTo(ul);
};
$_searchQuery.autocomplete({
    source: data
});
```

## screenshots :

The screenshot shows a web browser window with the URL `localhost/SimplyCharmlings/search.html`. The page title is "Key Chain Finder". A search bar contains the letter "w". Below the search bar is a list of search results:

- white
- yellow
- brown
- MarshMallow
- Molang Swiss Roll Cake
- Flower Ear Rings

At the bottom left of the page, there is a copyright notice: "© Copyright 2016 CS174 Baymax All Rights Reserved."

Below this screenshot is another identical one, showing the same search results for "Key Chain Finder" with the search term "m" entered in the search bar.