**Web Accessibility Concerns**

This website is about reviewing the restaurants around Salaya campus. The highlight of our website is the recommendation button labeled “Where to eat?” As the name suggests, this button selectively choose the restaurant for you to go and if you have already logged in, it will choose based on your food preference. The target users surely are people around Salaya campus, especially students and staffs. Our concern of Web Accessibility is that, for people having vision problem, we present large pictures and controls to make our website easy to access for them.

**Client-Side Components**

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| **HTML/HTML5** | It is used for constructing most elements in our web page. Configurations of elements like input, button, image are made here. |
| **CSS/CSS3** | It drives web page decoration. The style, animation and transition of elements are set here. The interactive recommend button is the featuring example. |
| **Bootstrap** | In order to achieve responsiveness and compatibility, Bootstrap is organizing the display of every web page element, in terms of sizing, spacing and also enhancing the CSS. To picture, search results in Restaurants page are responsive to the change of browser window size – establishing the best layout for the current screen. |
| **JavaScript** | Our website needs it for programming certain elements like the price range slider in Restaurants page and the rating panel in each restaurant page. |
| **jQuery** | Often, events must be achieved on elements so that they can react to the user. For instance, we show the recommendation page after the user click the recommend button. In a complex case, we even use it to highlight the menu based on which page that the user located to. |

**Server-Side Component**

We use PHP for almost all pages, as the way to access to the database for receiving and sending the data. For examples, we fetch data from the restaurant database to show in the restaurants.php and fetch the data from the user database to check for login to the website.

**Database Structure**

| **Operation** | **Related DB(s)** | **Purpose** | **Explanation** |
| --- | --- | --- | --- |
| **Insert** | User | Register | After registration, entered user information will be inserted into the user database. |
| Review | Write review | A user can write a review for each restaurant |
| **Select** | User | Log in | A login request satisfies when the user database contains its data. |
| User | Edit profile | A user can edit its profile e.g. change food preferences. |
| **Select** | User/Review | Edit review | A review can be altered if its maker is the current user. |
| Restaurant | Search | A user can search for restaurants using a query and filters we provided in Restaurants page. |
| User/Restaurant | Recommend | Restaurants will be selectively chosen based on criteria we have set regarding information we know about restaurants and/or users. |
| Review | Show | A user can view all restaurants reviews shown in Reviews page. |
| Rating | View | All ratings of a restaurant are fetched to calculate their average, then display in each restaurant page. |
| **Update** | Rating/User | Show/Rate | A restaurant page displays current rating value of a user if logged in. |
| Rating | Re-rate | It also allows a user to change the rating value of any rated restaurant. |
| **Delete** | Review/User | Remove | A user can delete any review made. |
| Rating | Remove | A user can remove own rating. |