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Final Project Report

Application Summary

For the final project, we decided to use a little bit of everything in terms of creating the actual project. For example, the inspiration came from Assignment 6 which focused on the form and from there we added a couple more pages that enables the user to have more interaction and give feedback on how their overall experience was. To start off, the application begins with the user being able to drag and drop bakery selections into a cart (depending on what the user wants to order). Once the user has made his/her selections, they also have the option to look up the ingredients if they are not sure on a certain selection that they may want to try. So, if they want to be redirected to the ingredients page, a button has been created that would allow them to do just that. After viewing the optional ingredients page, the user then could go back to the cart page (another button) and from there to finish the order, all the user would have to do is click on the submit button (from the main bakery page) and be redirected to the final survey page. The survey page allows the user to rate their experience on how everything went. If they miss a certain box on the survey page, an error message would then display preventing them from submitting the survey.

Overall, the features that we used for the final project was, drag and drop, radio buttons, error messages, load methods, video, and forms.

Behind the Scenes

For the first step, what we added to the final project was a bakery page. This bakery page would be the main page of the final project that would allow the user to do all the ordering. An autoplay video of cookies baking plays in the background of the page for added effect. After creating the bakery page, we created a JavaScript file to allow the components that we created on the HTML page to have functionality. How we started off doing this was first creating all the components that we needed on the Bakery HTML page (as stated above) then using those components (assigning them ids and so on) on the JavaScript file. Doing this allowed the user to drag and drop items into the cart. The code below, shows one of the examples from the bakery.js file that allows the user to drag and drop items into the cart:

```
$("#cart").append("<li>" + ui.draggable.html() +  
" (<a href='dummy.html' class='remove'>" + "Remove</a>)" +  
" </li>"  
)  
.css("height", "auto");  
}  
});
```

For the second step, what we added to the final project was a ingredients page. This page allows the user to check the ingredient of the item before ordering it (dragging it into the cart). How we did this step was, first creating the foundation of the items in the ingredients.html file then taking those items and then putting them in their own table. They are called using the load method in the ingredients.js file which enables the user to look up those items in the ingredients page (there would be a section of items under different categories). The code below shows an example of the JavaScript we used which allowed this to happen:

```
$("#cakesButton").click(function () {  
    $("#insert").load("cakes.html");  
});
```

For the third step, we added a survey page to the final project. This survey page would allow the user to rate their experience of their overall ordering process. After submitting the form, the user would then be redirected to a PHP page displaying the options that the user selected. However, if a user missed a certain selection of the form an error message would then display telling them a required part is missing from the form. An example of the JavaScript code is shown below:

```
$("#yes").click(function() {
    $("#yesRecommend").slideDown( );
    $("#noRecommend").slideUp( );
});

if (!$("input[name='favorite']:checked").val()) {
    console.log("UNCHECKED")
    $("#needFavorite").slideDown( ).css("color", "red");
    evt.preventDefault( );
}
else {
    $("#needFavorite").slideUp( );
}
```

Team Contributions

- Christ Karedes
 - Created bakery.html & bakery.js with video and drag and drop
 - Created survey.html & survey.js with three questions and error messages upon unchecked questions
- Michael Luna
 - Fixed formatting issue with cart by implementing a table for shop items
 - Created ingredients.html with load method
 - cakes.html
 - pretzels.html
 - breads.html
 - cookies.html
- Akash Shah
 - Wrote final project report
 - Added and fixed issues with links and buttons