Final Project Catalog

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1 INTRODUCTION

The source code for the experimental site can be found on the OMSCS GitHub in addition to this zip file:

https://github.gatech.edu/bhaines3/cs6460-mooc-theme

2 CATALOG

The data collected from the experiment and the Python code used to analyze it can be found in the "_analysis" directory:

- **analysis.py**: This Python script takes the data from "cooking-mooc-export.json" and does some basic analysis of it, along with generating bar charts of the lesson views.
- **Cast Iron Cooking Post-Course Survey (Responses).xlsx**: This is the collection of responses from the post-course survey offered to testers, saved in an Excel spreadsheet format.
- **cooking-mooc-export.json**: This is the raw data collected by the course website, exported from Google Firebase in a JSON format.

The "assets" directory contains images and code used by the website. The most important directory here is the "js" subdirectory, which contains all JavaScript used in the site:

- **ab_test.js**: This file controlled all of the layout differences between the control and experiment groups.
- **database.js**: This file contains a function to record the time each tester begins a lesson.
- **quiz.js**: This script controls the post-course quiz, including the questions, answers, and coloring correct and incorrect responses.
- **record.js**: This saves and reads cookies used by the site.
- **script.js**: This file was a part of the Jekyll theme the site is based on. It controls the search functionality and the side menu.

The "includes" directory has HTML snippets that are included in other HTML files. All of these files are a part of the initial Jekyll theme forked for this project.

The "_layouts" directory has HTML template files that form the basis for the full pages produced by Jekyll:

- **default.html**: This template defines the layout of the home page.
- **lessons.html**: This file defines the layout of the lesson pages.
- **post.html**: This defines a generic post layout, which was only used for the post-course page.
- **quiz.html**: This defines the layout of the quiz page.

The "_posts" directory contains markdown files that are combined with the templates fin the "_layouts" directory to create full web pages.