

Final Project Report - Ristorante Italiano Website

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4 December 2023

CMPT 221 - Software Development II

Professor Bridge

Marist College

Table Of Contents

Website Overview.....	1
Team Member Contributions.....	4
Content Map.....	7
Design.....	8
Functionality.....	13
Browser Support.....	13
Repository.....	13
Conclusion.....	14

Website Overview

Ristorante Italiano contacted our team requesting a website for their business in August 2023. They are a small family-owned restaurant that has been around for years without a unified online presence, and felt that they needed a website to remain competitive and visible in the modern restaurant industry. The family owns and operates one location in Poughkeepsie, and already ran several social media accounts, so a simple, clean website to serve as the primary landing point for online visitors fits their needs well. After careful deliberation with the client, the following User Stories were drawn up:

Owners:

1. As the website owner, in order to review how popular certain meals are, I can access a chart that details how often each option was ordered.
2. As the website owner, in order to update the list of items on the menu, I can access a page that allows me to enter new menu selections and remove outdated options.
3. As the website owner, in order to manage online reservations effectively, I can access a dashboard that allows me to view, confirm, or cancel incoming reservations.
4. As the website owner, in order to stay connected with customers and address their inquiries, I can view a list of messages submitted through the Contact page and reply to them.
5. As the website owner, in order to understand user behavior and improve the website, I can view analytics data such as page views, average time spent on the site, and user flow.
6. As the website owner, in order to grasp the average user experience, I have all the features of a normal user.
7. As the website and institution owner, in order to keep the website up to date, I can remove or add images across the application to reflect current food options or current establishment decor.

8. As the website owner, in order to provide online coverage of happenings in the restaurant, I can post special promotions, articles or other news in a dedication section on the website.

Users:

1. As a prospective customer, in order to decide what meal I want to order, I can view a detailed menu of all the available meals.
2. As a curious user, in order to find out more information about the restaurant, I can navigate to a facts page that lists relevant information about the restaurant, such as location, hours, and a link to their menu.
3. As a concerned diner, in order to view allergen information, I can navigate to a nutrition info page in order to view ingredients & common allergy warnings for each menu item.
4. As a non-English speaking user, in order to navigate the website easily, I can select my preferred language from a list and see the website's content translated accordingly.
5. As a prospective diner, in order to secure a table for my dining experience, I can use an online reservation system to book a table for a specific time and date and cancel it if need be.
6. As a curious user, in order to learn more about the institution of asking a question, I can reach out to management through the contact page and expect a speedy reply.
7. As a colorblind user, in order to properly view all the restaurant's information, I can see all the shades of images and text to be able to view the site in a way comparable to a normal customer.
8. As a multifaceted user, in order to access the website from wherever I prefer, I can access the application from a multitude of web browsers with no noticeable difference.
9. As an online user, in order to further connect with the restaurant on other platforms, I can find links to other social media profiles the restaurant may have.

Our target audience includes the existing, long standing customer base of Ristorante Italiano, who may already follow their social media and be aware of their online presence. The audience also includes new customers searching for a place to eat and those seeking to make online reservations ahead of time. The site displays all of the general information for the restaurant, including the address, phone number, menu, related social media accounts, and an online reservation system. The design and atmosphere of the site should be familiar for the older regulars of the restaurant, while also including modern features and functionality to be relevant to online crowds.

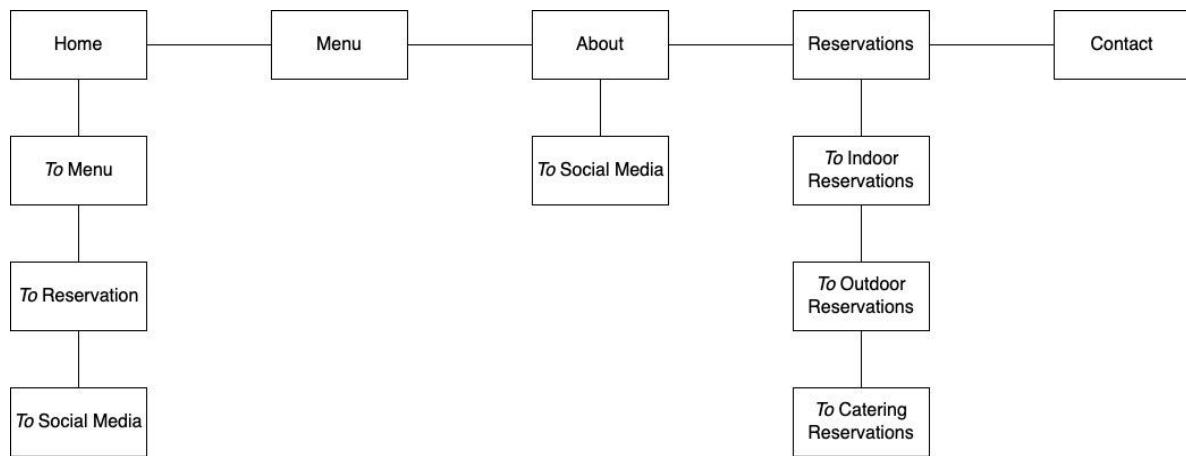
Team Member Contributions

- Cayleigh Goberman
 - Project Roles: Designer, Programmer
 - Contact Info: Cayleigh.Goberman1@marist.edu
 - Contribution:
 - UX Specifications:
 - Designed Menu Page
 - Coding:
 - Designed and implemented the navigation bar
 - Assisted in the coding of the Menu Page
 - Responsible For: The Menu title box, the image the title is situated on (but not the others present on the page), and every section detailing the available menu items
 - Assisted in the coding of the Landing Page
 - Responsible For: The background gradient, the restaurant name over the background image, implemented the quote, the three subcategories, and the navigation buttons in the subcategories
 - Assisted in the coding of the Contact Page
 - Responsible For: The background gradient and the information box detailing the restaurant's hours, location, phone number, and email
 - Implemented the various alerts present throughout the website
- Stefano Farro
 - Project Roles: Project Roles: Designer, Programmer
 - Contact Info: Stefano.farro1@marist.edu
 - Contribution:

- UX Specifications:
 - Designed About Page
- Coding:
 - Assisted in the coding of the About Page
 - Responsible For: The leading image & contact box, the family story, the contact information subcategory, and the visit information subcategory.
 - Assisted in the coding of the Landing Page
 - Responsible For: Formatting on the header image, coming up with the leading quote.
 - Assisted in the coding of the Contact Page
 - Responsible For: The leading image & title box, general formatting & page setup.
- Nico Conarpe-Martinez
 - Project Roles: Designer, Programmer
 - Contact Info: Nico.Conarpe-Martinez1@Marist.edu
 - Contributions:
 - UX Specifications:
 - Designed Reservations Page
 - Coding:
 - Assisted with visual HTML and CSS styling of the Landing Page.
 - Responsible For: Look of the navigation bar, the home images, and container shapes.
 - Assisted with visual HTML and CSS styling of the Menu Page.
 - Responsible For: Menu background images and their styling.
 - Coded and styled the Reservations Page.

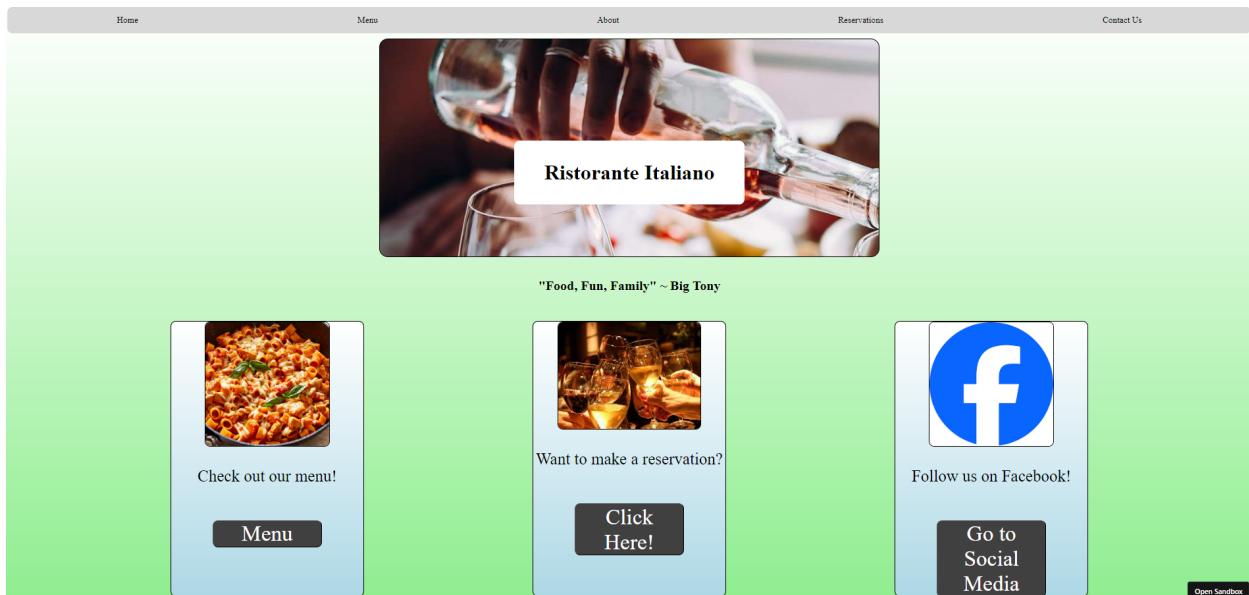
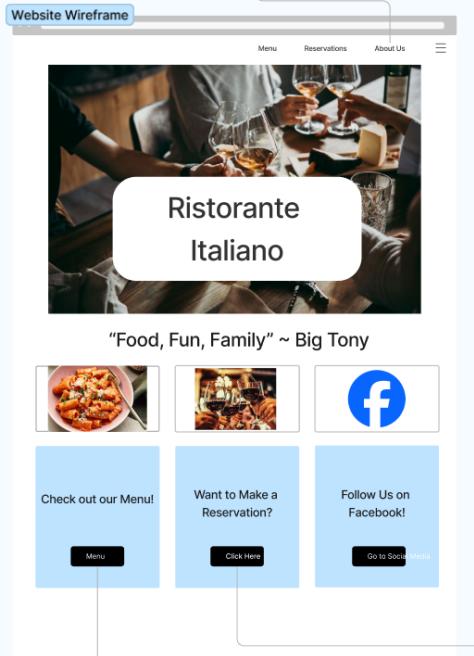
- Responsible For: Full functionality and look of the reservations page.
- Kevin Reiff
 - Project Roles: Manager, Designer, Reviewer
 - Contribution
 - UX Specifications:
 - Designed Analytics Page
 - Coding:
 - Reviewed code across the website
 - Responsible For: Doing a last overview of the code and checking for errors or inconsistencies.
 - Deleted unused old CSS and imports.
 - Checked over the website to make sure everything was consistent from styling to messages and pages.

Content Map



Design

Landing Page UX Specification (Top) vs Final Product:



Menu Page UX Specification (Left) vs Final Product:

The image displays two versions of a restaurant menu page side-by-side for comparison.

Left Column (UX Specification):

- Header:** Shows a top navigation bar with "Menu", "Reservations", and "About". Below the header is a small image of a pizza.
- Section Headers:** "Sauces", "Appetizers", "Pasta", "Pizza", and "Desserts".
- Content:** Each section lists items with their descriptions and prices. For example, under "Pasta", there are options like Linguini (\$15.00), Tomato (\$16.00), Ranch (\$16.00), Penne alla Vodka (\$18.00), Spaghetti (w/Meatballs, +\$2.00) (\$19.00), Bolognese (\$17.00), and Alfredo Fettuccine (\$18.00).
- Bottom:** A footer with a "Print" button.

Right Column (Final Product):

- Header:** Shows a top navigation bar with "Home", "About", "Reservations", and "Contact Us". Below the header is a large image of various pizzas.
- Section Headers:** "Sauces", "Appetizers", "Pasta", "Pizza", and "Desserts".
- Content:** Each section lists items with their descriptions and prices. The structure is identical to the specification, showing items like Linguini (\$15.00), Tomato (\$16.00), Ranch (\$16.00), Penne alla Vodka (\$18.00), Spaghetti (w/Meatballs, +\$2.00) (\$19.00), Bolognese (\$17.00), and Alfredo Fettuccine (\$18.00).
- Bottom:** A footer with a "Print" button.

About Page UX Specification (Top) vs Final Product:

Website Wireframe

YOUR LOGO

Menu Reservations About Us

Our Story

Contact Us!

(123) 456 7890
placeholder@email.com
Instagram -
Facebook -
Yelp -

Visit Us!

123 Main Street
Poughkeepsie, NY

Home Menu About Reservations Contact Us

Our Story

Contact Us!

[Follow us on Facebook!](#)
[Follow us on Instagram!](#)
[Leave a review on Yelp!](#)

Visit Us!

123 Main Street
Poughkeepsie, NY
(123) 456 7890

Reservations Page UX Specification (Top) vs Final Product:

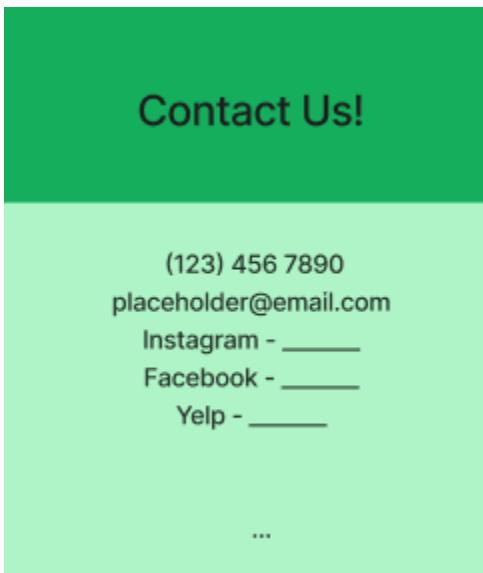
Website Wireframe

The wireframe illustrates the initial design concept. It features a header with 'Menu', 'Reservations', and 'About Us' links. A placeholder 'YOUR LOGO' is in the top left. Below the header is a large image of a restaurant interior with a prominent oven. The word 'Reservations' is overlaid on this image. The main content area includes three thumbnail images of different dining settings (indoor, outdoor, and catering). Below these are three time ranges: '12:00 PM - 9:00 PM', '2:00 PM - 7:00 PM', and '11:00 AM - 9:00 PM'. Under each range are three buttons labeled 'Reserve Indoor!', 'Reserve Outdoor!', and 'Reserve Catering!'. Each button has a corresponding 'Times' button below it. The footer contains a single word 'FOOTER'.

Final Product

The final product shows the reservations page with updated content. The header links are 'Home', 'Menu', 'About', 'Reservations', and 'Contact Us'. The main image at the top now shows multiple fire ovens. The 'Reservations' button is centered over the image. Below the image are the same three time ranges and reservation buttons as the wireframe. The 'Reserve Indoor!' card includes a photo of an indoor dining room and the text 'Enjoy comfortable indoor lunch, dinner, and dessert seating!'. The 'Reserve Outdoor!' card includes a photo of an outdoor patio and the text 'Take advantage of a beautiful day with a delicious meal outside!'. The 'Reserve Catering!' card includes a photo of food platters and the text 'On demand home cooking for any occasion!'. Each reservation card has a 'Put Date/Time here!' input field and a 'Submit' button. An 'Open Sandbox' button is located in the bottom right corner of the main content area.

Contacts Page UX Specification (Top) vs Final Product:

A screenshot of a restaurant website's contact page. The top navigation bar includes 'Home', 'Menu', 'About', 'Reservations', and 'Contact Us'. The main content area features a large photograph of a family dining outdoors under a canopy. Overlaid on the bottom right of the photo is a white rounded rectangle containing the text 'Contact Us!'. Below the photo is a grey sidebar with the following information:

Hours:
Monday-Thursday: 11:00 am - 10:00 pm
Friday-Saturday: 11:00 am - 12:00 pm
Sunday: Closed

Location:
123 Main Street, Poughkeepsie, NY

Phone:
(123) 456-7890

Email:
ristorante.italiano@gmail.com

At the bottom right of the sidebar is a black button labeled 'Open Sandbox'.

Functionality

Our website's main functionality lies in its navigation bar. This directory allows the user to access any page from anywhere at any time with one click. The home page contains three buttons, two of which link to other pages on the site, much like the navigation bar. The third is an outgoing link to the restaurant's Facebook page, taking you directly to the page on Facebook. However, since our restaurant is fake and does not have a page, it throws an error message to the user, which states that the page is under maintenance. The about page links have the same functionality, supposedly linking to social media for the establishment but throwing an error stating these pages are under maintenance. The reservation page holds three different reservation options for indoor, outdoor, and catering services, which are imputed and submitted by the user. The menu page holds a pop-up button that displays an allergy warning for guests.

Browser Support

Our website was created using React JSX. As such, since React supports most modern browsers, the website can run on these browsers too. However, it may not run on older browsers such as Internet Explorer.

Repository

Github: <https://github.com/nconarpemartinez/CMPT221-FinalProject>

Codesandbox:

<https://codesandbox.io/p/sandbox/software-dev-ii-final-project-7x34d4?file=%2Fsrc%2FApp.js%3A6%2C33>

Conclusion

Overall, creating this website proved to be a comprehensive team effort that allowed each of us to develop and showcase our front-end development skills. Most of us lacked experience in web development prior to this class; therefore, upon beginning the task, the project seemed very daunting. However, as we completed each milestone and phase over the semester, we slowly began to amass the technical knowledge and best practices that we would need to ultimately code the site. Overall, the website portion ended up being the most challenging section of the project. However, our team practiced agile development and kept in frequent communication to ensure that all tasks would be completed in a timely manner and with a high standard of quality. A typical routine for our group was to communicate over the phone or in person on what needed to be done and what aspects could change in the future. Following this, we would decide what sections each person would be responsible for, and strike out on our own to code the project. This simple cycle allowed our team to easily work in parallel on the site and in an organized manner. Additionally, it gave us plenty of opportunities to discuss and work together. However, despite our determined efforts, some challenges still appeared during development. Early on, when we were first starting to create the website, we struggled to deduce how to code the navigation bar and how to have each navigation button link to the webpage it named. Cayleigh proved indispensable here, and was not only able to figure out how to make the navbar, but also how to design an early incarnation of it. This allowed us to focus our attention on the actual site. Similar small issues popped up as we continued, but nothing was excessively detrimental to our plan or timeline. In total, this project was both deeply interesting and incredibly useful for our growth as computer science students. With no prior knowledge, we produced a tangible, working website from scratch and learned the languages associated with front-end development. We also learned typical practices of a development team and various other components that all came together to produce Ristorante Italiano's website.