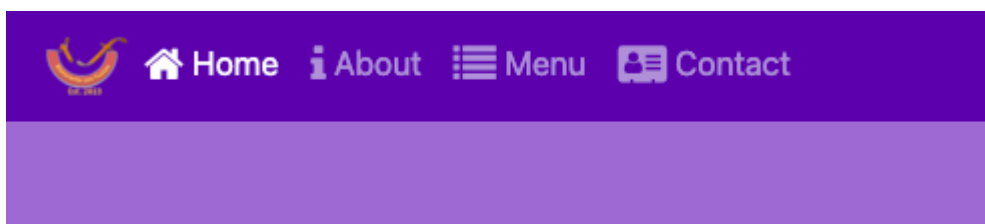# A responsive design for mobile-first web applications
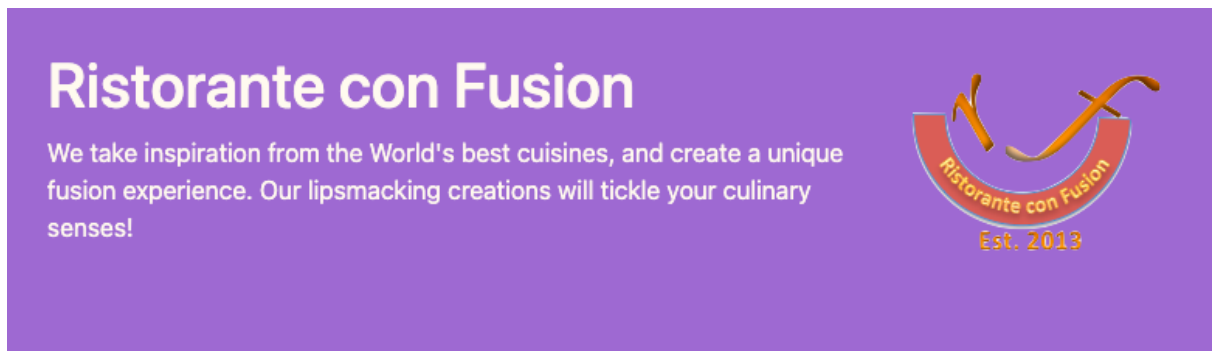
1. Introduction

- This website designed for restaurants offers a platform for marketing and selling food services supporting all hardware platforms through responsive design. It provides functionality for automated reservations.
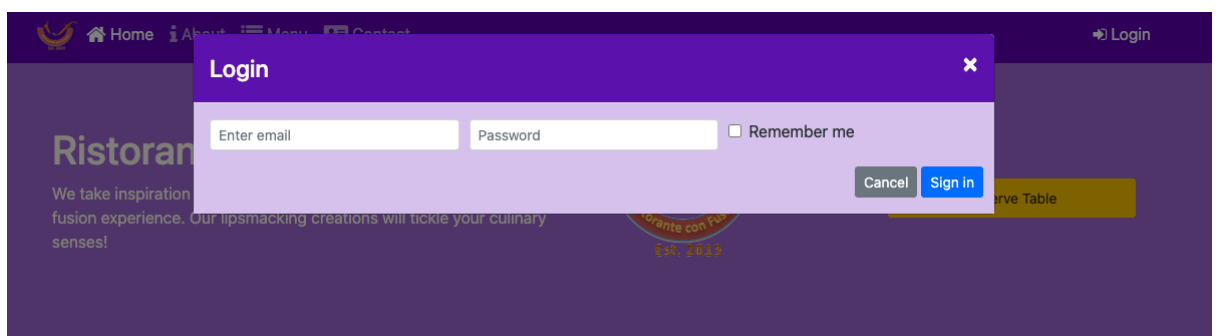
2. Design and Implementation

- The process from design to implementation was carefully followed. The User Interface design followed modern design standards that takes in consideration the user experience accustomed to access websites through different platforms, especially mobile devices.
- The code was properly documented and it was identified to be customized in case the client decides to make basic design changes to the website format --ie reservation screen positioned at the top or at the bottom.
- The implementation of the code was based on standard modern website design libraries and modules for easy maintenance and different developers. Specifically, the platform was built using open standards of HTML, CSS, and JavaScript, frameworks like Bootstrap 4, JQuery libraries. The project also relied on automated tasks using Grunt and Gulp.
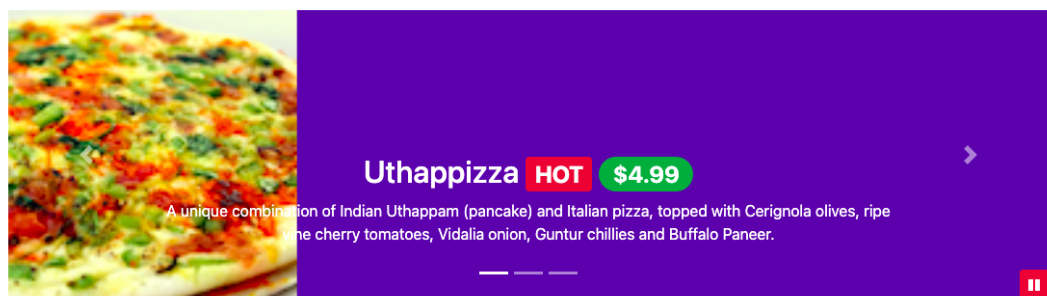- Here is a series of screen shots that provide an overview of the platform:

The menu provides easy navigation through different web pages and collapsable functionality (responsive) depending on the device used (ie cellphone vs. a pad).

Consistent restaurant name and logo across all pages for effective branding

Efficient use of modern website tools for effective communication with customers

Use of carousel style for easy navigation of special deals taking into consideration the user experience (ie user can navigate and control the screens containing specials, etc)

3. Conclusions

- Our client, ConFusion Ristorante, becomes satisfied with a platform that is fully functional yet simple to use by most customers using any internet-enabled device
- The platform does not provide access to users with disabilities and that is something that should be enabled in a future release

- The implementation required to make modifications to the other pages that were standards (ie copying JQuery libraries, etc). In other words, The other pages could be built easily if duplicated in full earlier. Not a big issue, but it could have saved a few hours.
- Errors and future challenges: compatibility issues arose while implementing Gulp. It appears that deprecated commands are not supported by Gulp version 4 so the use and value of this automation tool needs to be seriously reconsidered.

4. References

- https://www.w3schools.com/html/html_responsive.asp
- https://www.adobe.com/products/xd/learn/get-started.html
- https://git-scm.com/
- https://github.com/
- http://mally.stanford.edu/~sr/computing/basic-unix.html
- https://www.w3schools.com/html/
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- https://nodejs.org/en/
- https://docs.npmjs.com/cli/v7/commands
- https://getbootstrap.com/
- https://jquery.com/
- https://gruntjs.com/
- https://gulpjs.com/
- https://docs.npmjs.com/cli/v7/using-npm/scripts