# BootStrap Project Report

1. Introduction

In this project, I have made the basic structure of a website for a restaurant called Ristorante Con Fusion. The technology stack for the website includes HTML, CSS, JavaScript, and BootStrap. The website consists of various web pages linked to one another namely index.html, aboutus.html, menu.html, and contactus.html. The index.html is the homepage of our website where the menu and various items are listed. It also consists of features like reserve a table where you can reserve tables for an individual to 6 people. It also consists of a login form where you can enter your details and use them to log in to our website.

1. Design and Implementation

First sketched the basic structure of the website. Identified the various parts of the website like header, navbar, the actual body of the website, and footer along with other features. Then split the website into various components and started implementing them one by one. I encountered problems while implementing the reserve a table form feature in the footer section of the website due to the different versions of bootstrap.

The Project is built with HTML, CSS and JavaScript, BootStrap, and SASS.

I have used NPM as the package manager for this project as it is used extensively by developers worldwide and its ease to use nature. Apart from that Gulp is used to automate various repetitive tasks which ultimately helps in focusing more on code and less of mundane tasks.

The reason to use gulp instead of available other tasks runners like grunt, browserify, and npm scripts is its well-maintained documentation, open source, and most important fact is it uses JavaScript-like structure instead of JSON. I personally found it easy to use. And lastly, I have deployed the website on GitHub pages.

Below are a few screenshots of the website

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generated

1. Conclusion

From this project, I have learned BootStrap and its use to rapidly build a website. I have also gained expertise in command line execution of tasks. The other main learning from this project includes the use of NPM package manager and Gulp task runner to automate repetitive tasks like compiling sass code into CSS, watching changes in the browser by using browser-sync, minifying CSS and HTML files, replacing references into HTML files using useref. I have come to understand the use of various versions of dependencies and how to work with them.

So this project has been super helpful in expanding my knowledge in my journey as becoming front end developer.

1. References

The link to the project website:

<https://princesingh19.github.io/BootStrap-build-with-Gulp-task-runner/dist>

The important materials are

Documentation of NPM

Documentation of BootStrap

Documentation of Gulp