A close up of a sign

Description automatically generated

Papa John’s – Rota System

Product evaluation

Web application development

Adam Speer, Petrut Vasile, Toby White | DMC Level 6 | 04/09/2019

# Introduction

This document will investigate various web design applications / frameworks and determine which is most suitable for us to use for the development of the Papa John’s Rota system. The document will address the following topics for consideration.

* Core Functionality – Does the application / framework allow us to meet the high-level requirements defined for the project.
* Responsive Design – Does the application / framework support responsive design? The application should support a Mobile first design intended for access via a smartphone running Android / iOS. But it should also be accessible from any internet connected device running a modern browser.
* Application Hosting / Costs – What are the costs associated with the application / framework being considered.
* Initial cost of development software
* Cost of hosting the website / application
* Any ongoing costs – Storage, concurrent users etc.

## High Level Requirements

The tool chosen for the development of this application will need to support the high-level requirements identified. The key items the tool must support are:

* Mobile friendly – The tool chosen needs to support a mobile optimized layout, the users of the system will be primarily accessing the site via smartphones running either iOS or Android operating systems.
* Login / Password – This site will only be for the use of Papa Johns staff and accessed via the internet. A login / password process will be used to access the sites secure content.
* Users – The tool will need to support a concept of users of the system that have profiles and associated passwords, the system will need to support the creation of new users, removal of users and password management tools (reminder / reset).
* Calendar view – view the calendar and display staff currently allocated to shifts / hours.
* Rota management – The system will need the ability for an authorized user to allocate staff to a shift, remove staff from a shift.
* Send alerts – The system will need to be able to send automatic alerts to users to remind them a shift they are allocated to is about to start. The manager will also be able to send a custom alert to staff to notify them of important information.

## Tools for evaluation

We have assed the following tools for consideration in this project.

|  |  |  |
| --- | --- | --- |
| **Tool** | **Website** | **Notes** |
| Wix | [www.wix.com](http://www.wix.com) |  |
| Squarespace | [www.squarespace.com](http://www.squarespace.com) |  |
| Bubble | [www.bubble.io](http://www.bubble.io) |  |
| Manual (Visual studio, Html, Css, Sqlite) | N/A | Hand coded solution |