Software Requirements Specification

Pizza IT – Web site



2/12/2015

Prepared for the Pizza IT Company



# Revision History

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| **Date** | **Description** | **Author** | **Comments** |
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# Document Approval

The following Software Requirements Specification has been accepted and approved by the following:

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# Introduction

This Software Requirement Specification (SRS) document is provided for the production of an e-commerce web site for the Pizza IT. The requirements described in this document are listed in order to enable the design and implementation of the site by Fireband Web development company.

## Purpose

The intended audience includes representatives of Pizza IT, Fireband company and the independent test team to be employed to test the site.

## Scope

(1) The software product to be produced: Pizza IT e-commerce web site.

(2) The site to be produced will enable registered users to pre-order various Pizzas   
for  
 later collection at the Pizza IT premises. The company targets Computing students at QUB.

## Definitions, Acronyms, and Abbreviations

The web site to be developed is also referred to as the *system*.

# General description

## Product Perspective

Similar to many other e-commerce fast-food ordering sites this site intends to enable registered customers to pre-order Pizzas. The site will not take payment for the order. Payment is made when the customer calls to collect the pizza.

# Functional Requirements

## General User interface requirements:



### The system should have the company logo displayed in the header on each web page.

### A footer with the copyright, the today’s date and site version information shall be available on all pages

### Appropriate validation may be applied to all user input parts of the site.

### Each page may have a title.

## Web site pages:

### The system should consist of the following functional web pages Home, Registration, Login, Contact, About, Order, Forgot Password, Schedule, Receipt, My Account – reset password.

### Site pages only accessible to logged in users: Order Pizza, Schedule, Receipt, My Account – reset password

Navigation**:**

### A common navigation area should be available on each page.

### From any web page all users should be able to navigate directly between the following pages Home, Order, About and Contact. Note that the order page is only available if the user is logged in, otherwise the user is directed to the Login page.

### From any web page all users of the system that are not logged in shall be able to direct navigate to the Register and Log pages.

### From any web page all users of the system that are logged in should be able to directly navigate to the Manage page. In addition all logged in users should be able to log off from any page.

### The Forgot password page may only be directly accessible from the Logout page.

## Login page

### The system shall enable registered users to login to using a valid username and password.

### The username should be in an email address format and password must be a minimum length six characters.

### The page should include direct links to the Forgot Password and Register Pages

## Registration

### The system shall enable registered users to register with the system. Mandatory details are the user’s name, email address, a valid unique email address (i.e. not already registered in the system) and password (must be a minimum length six characters). Appropriate error messages and validation should be shown to the user if required.

### Upon successful registration the user should be directed to the login page and an appropriate message displayed to confirm successful registration.

## Home

### The system should have a Home page which should provide a Welcome message and textual information about the company, including a link to the Registration and Contact pages.

### The Home should provide textual instructions on the Pizza ordering process, including links to the Registration and Login pages.

## About page

### The About page should contain textual information on the company.

### The About page should include a google map to the company premises (including link to expand the map)

### The About page should contain a “Quick pizza links section” to the following external web sites (all links should open in a new tab /window).

*http://www.history.com/news/hungry-history/slice-of-history-pizza -the-ages*

*www.zazzle.co.uk/pizza+lover+gifts*

*http://www.pizzafacts.net/*

## Contact page

### The contact page should display the following contact details

*Phone*

*Main: Tel:+44 (0)28 9097 4669*

*After Hours: Tel:+44 (0)28 9097 4666*

*Email*

*Support:support@pizzait.com*

*Marketing:orders@pizzait.com*

*General:general@pizzait.com*

*Address*

*Bernard Crossland Building*

*18 Malone Road Belfast Northern Ireland BT9 5BN*

### Clicking on the email addresses in the Contact page should open the user’s email client with a new email message addressed as appropriate.

## Forgot Password page

### The Forgot Password page should enable a registered user to enter his/her email address and have the password sent to the supplied email address as soon as possible. Appropriate validation should be applied – including if the email is not recognized or if the email address entered is not a valid email.

## Ordering Pizza page

### The Ordering page should include an image of each pizza together with a textual description and price.

### The Ordering page should enable a user to select a pizza (plus optional toppings). Selecting the pizza should also add it to a shopping cart.

### The Ordering page should enable a user to view an accurate list of items in the cart (including cost for an individual item and an extras i.e. toppings (see items and price list below)).

### The Ordering page should enable a user to view the total cost of the items in the cart.

### The Ordering page should enable the user to remove an individual item from the cart.

### The Ordering page enable the user to place the order – this should then direct the user to a page to schedule collection.

## Schedule page

### The user should be able to select to either have the pizza readied for collection for **immediate collection** (20 minutes from order receipt) or **later** (see requirement 3.1.29)

### The user should be able to select a date and time for collection i.e. **later.** Ordering **later** options – minimum value is the current date and time +45minutes. Maximum value is seven full days from the current date.

### The user should be able to confirm the order. Upon confirmation the user should be forwarded to the Order Receipt page.

## Order receipt page

### The Order Receipt should include a list of the order items (including extras and individual prices), total price, the confirmed date and time for collection and a unique order reference.

## My Account – reset password page

### The My Account – reset password page should enable a user to reset his / her password by entering the current email, the new password and a confirmation of the password. An appropriate message should be displayed when the password is changed. Appropriate validation on size and type of password used in registration should be applied here.

## Non-Functional Requirements

### **Availability** The system should be available 24 \* 7. The system shall not crash.

* + 1. **Security**

The system should prevent unregistered users or registered and not logged in users from  
 accessing restricted parts of the site.

* + 1. **Portability**  
       The system should be functional on desktop and most common mobile devices.

**Target mobile devices:**

Amazon Kindle Fire 7 inch, iPad 4, iPhone 6, Google Nexus 10 and Samsung Galaxy S4

**Target browser versions:**

The system should be functional on the following browsers ….   
  
**Google Chrome Version 36  
Internet Explorer 1  
Firefox V31**

3.2.4

The system should be easy to use.

* + 1. The system shall perform fast transactions.
    2. The system shall allow concurrent users without notable transaction delay