MONASH University

# FIT5032 Design Report (assignment 1)

## Quotees T-Shirt Store
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**Contents**                                                                                    **Page**
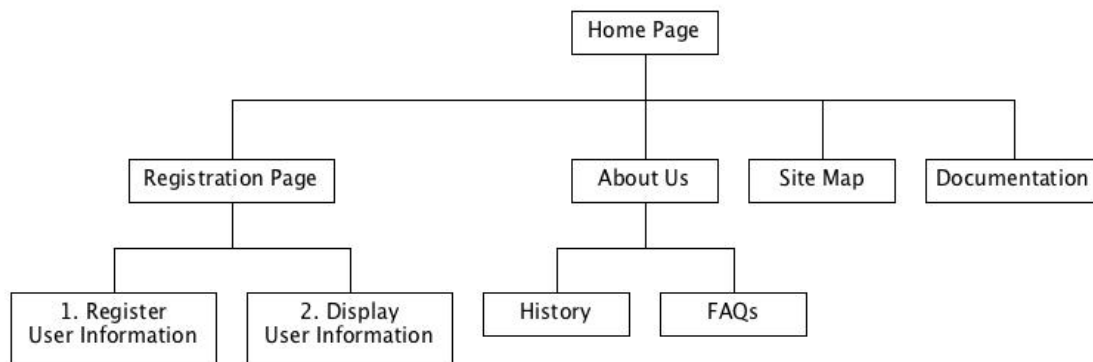
## 1. Overview

The purpose of this website is to provide information for a Melbourne-based t-shirt design company, Quotees. Quotees provides custom printed t-shirts with a variety of pop-culture inspired designs.

The website will initially provide a small number of pages such as a registration page, about us pages, and a site map, but will evolve to incorporate more functionality in the future.

The registration page allows for users to enter information into a form. The form validates the information and displays it back to the user if all its fields are valid.

## 2. Functional diagram

Pictured below is the functional diagram for the Quotees website. It contains all its pages and highlights the functionality within each page. Because this is only a preliminary design, only the registration page contains any functions.



## 3. Core program functionality

The core program functionality is to provide information about Quotees to the public. As of now, the majority of the pages do not provide functions, but more functionality will be added in the future.

The Registration page uses ASP.NET controls to gather information about the user; however, it currently does not submit this information to a database. It also uses a number of validation controls to ensure proper input from the user. Once validated, the page will display this information back to the user.

The Site Map makes use of a TreeView control and a web.sitemap file to display to the user an overview of the website. It shows a hierarchical view of all the website's pages.

4.  **Usability Design Review**

**Navigation:** The Quotees website allows for easy navigation with use of an ASP menu control. All links are situated in the menu. The menu is clearly identifiable and includes hover-highlighting to ensure the user is able to navigate to their desired page.

**Familiarity:** The website employs a familiar design with a header, sidebar, content panel, and footer. This allows users to easily become accustomed to the page, as it resembles the look and feel of many other pages on the Internet, which aids in navigation.

**Consistency:** The website makes use of a Master Page to ensure that the overall theme is kept consistent with only the content changing.

**Error Prevention:** The registration page uses various ASP validation controls to ensure that the data that users have entered comply with the specifications. Although this information isn't currently being processed into a database, it will allow for easy implementation further down the path.

**Feedback:** Users are provided with error messages if the data they have submitted in the registration form is invalid.

**Visual Clarity:** The website uses CSS to style itself in a way that allows users to easily see its elements. The page isn't cluttered with unnecessary information or other content to ensure a pleasant experience for the user.

**Flexibility and Efficiency:** As this application is more focused on the user experience, there has been little focus on its flexibility and efficiency. This, however, can be improved upon in future iterations.

## 5. Checklist of site functionality

| | |
|---|---|
| **1. (Master Page)** | |
| Design | ✔ |
| Skin | ✔ |
| Stylesheet | ✔ |
| Breadcrumbs | ✔ |
| Calendar Design | ✔ |
| Fly Out Menu | ✔ |
| | |
| **2. (Home page)** | |
| Design and content | ✔ |
| AdRotator Control | ✔ |
| | |
| **3. (Registration)** | |
| Web form and validation controls | ✔ |
| Formatted data entry display | ✔ |
| Overall page design | ✔ |
| | |
| **4. (About Us)** | |
| About Us | ✔ |
| Our History | ✔ |
| Frequently Asked Questions | ✔ |
| | |
| **5. (Site Map)** | |
| Displays correctly | ✔ |
| Overall page design | ✔ |
| | |
| **6. (Documentation)** | |
| Author/assignment details | ✔ |
| | |
| | |
| **Audit** | |
| No breaking of copyright | ✔ |

6. **User stories**

| As a/an | I want to… | So that… |
| --- | --- | --- |
| **Customer** | Get information about the website | I can learn more about its background and history |
| **Customer** | See what people have asked | I can get answers quickly |
| **Customer** | See an overview of the entire website | I can pinpoint which page I wish to visit |
| **Customer** | Register my details | Sign up for the newsletter |
| **Customer** | Contact the webmaster | Ask them a question |
| **Customer** | See what day it is | I can know if I should place an order |
| **Customer** | See images of the product | Make a buying decision |

**7. Data dictionary**

| Name | Type | Description |
|---|---|---|
| N/A | asp:Content | Content tags for the ContentPlaceHolder |
| Ads.xml | XML | Contains advertisement information for the AdRotator |
| adRotator1 | asp:AdRotator | AdRotator control |
| N/A | asp:Hyperlink | Hyperlink control |
| SkinFile | Skin | Skin for ASP controls |
| N/A | asp:Menu | Menu control containing links for the website |
| siteMapDataSource1 | asp:SiteMapDataSource | Contains site map data source |
| calendar | asp:Calendar | Calendar control |
| siteMapPath1 | asp:SiteMapPath | Breadcrumbs |
| ContentPlaceHolder1 | asp:ContentPlaceHolder | Content Place Holder control |
| firstNameBox | asp:TextBox | Text box for first name |
| lastNameBox | asp:TextBox | Text box for last name |
| emailBox1 | asp:TextBox | Text box for email |
| emailBox2 | asp:TextBox | Text box for email comparison |
| ageBox | asp:TextBox | Text box for age |
| genderList | asp:RadioButtonList | RBL for gender |
| stateList | asp:DropDownList | DDL for states |
| hearList | asp:ListBox | LB for source information |
| subscribeCheckBox | asp:CheckBox | Check box for subscription |
| submitButton | asp:Button | Submit button |
| N/A | asp:RequiredFieldValidator | RFV for all the text boxes |
| firstNameValidator | asp:CustomValidator | Validates that first name is at least 2 characters |
| lastValidator | asp:CustomValidator | Validates that the last name is at least 2 characters |
| N/A | asp:RegularExpressionValidator | Regex validator for email |
| N/A | asp:CompareValidator | Compare validator for email |
| N/A | asp:RangeValidator | Range validator for age |
| Various Labels | asp:Label | Labels in the panel to display back to the user |
| userInformation | asp:Panel | Displays information to the user once validated |
| N/A | asp:TreeView | TreeView control for sitemap |
| Web.sitemap | sitemap | Site map file |