

**Western Sydney
University**

**Commercial Websites
Personal Computer Parts Markets
Design Documents**

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Contents

1. Introduction	1
2. Structure of Website	1
3. Functions and Modules	1
3.1. User management module	1
3.2. Page management module	1
3.3. Products management module	2
3.4. Commerce management module	2
3.5. Comment management module	2
3.6. Media management module	2
3.7. Contact management module	2
4. Security Consideration	2

1. Introduction

The purpose of this project is to build a commercial website which can provide people an online PC part markets. It will be created based on Wordpress by integrating PHP, MySQL, HTML, javascript, and CSS. The potential users can be people like students, game lovers, and geeks who have the capability to make their own fancy and powerful PC.

2. Structure of Website

The structure of PC part markets is simple, shows in figure 1.

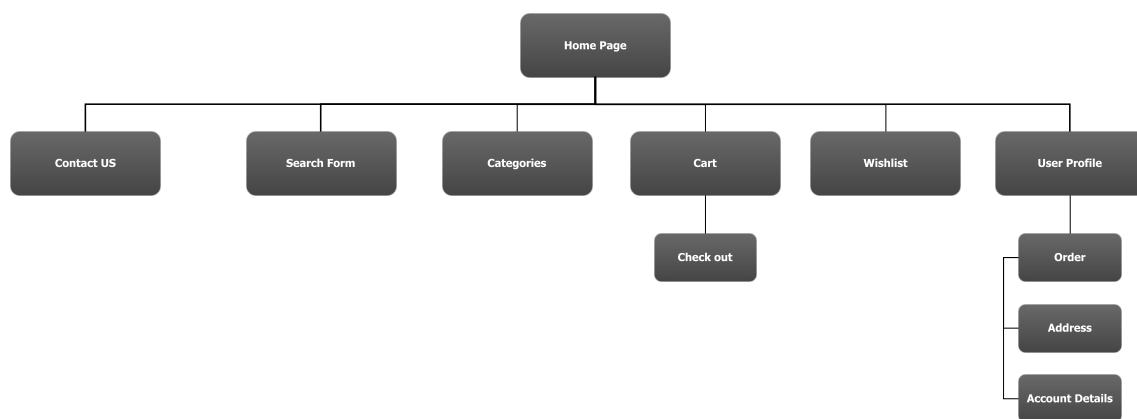


Figure 1: Structure of Website

3. Functions and Modules

As a commercial website, to fully meet the customer's requirements, this website will include the following modules and functions,

3.1. User management module

User management module allows the administrator to add or delete users. It also can assign different roles like shop manager or customer to a specific user. In addition, a user with high authority can edit user details with lower authority. For example, shop manager can edit customer's detail, but not the opposite.

3.2. Page management module

This module allows manager and administrator to add, delete or modify pages.

3.3. Products management module

Product module provides the features of add, delete and modify products. A product has multiple attributes include product ID, product image, product price, product stock, product tags, product categories and etc.

3.4. Commerce management module

As a commercial website, commerce module is the key module of this project. It has three submodules. Order module provides order information. The manager can interact with each order with all the order details. Coupons module provide a website to make promotions. Manager and administrator can access all the data analysis on orders, customer, and stock in report module.

3.5. Comment management module

Comment module allows managers manager the comments. The manager can filter out bias or baleful comments through this module.

3.6. Media management module

Media module is a place to manage all the images in the website. It is helpful for the manager to add new products.

3.7. Contact management module

Contact module allows the manager to access all the contact emails in one place and give feedback directly.

4. Security Consideration

Security consideration is covered in database and website design. For the database, only the administrator with username and password can access the database. For website security, a user with various privileges can access different content. Customer user can access all website content only from front-end, however, a manager user can access all content from both front-end and back-end. A user with high privilege can edit user information with lower privileges. In addition, only comments approved by manager users can display in front-end. Furthermore, a customer user is able to reset the password through email link while they forgot.