

Pearson Higher Nationals in Computing

Unit Website Design & Development
10:

Assignment Brief 2
Number:
First teaching from September 2017

Issue 2



Higher National Certificate/Diploma in Computing

Assignment Brief

Student Name/ID Number	
Unit Number and Title	10: Website Design & Development
Academic Year	
Unit Tutor	
Assignment Title	Online Patient appointment system
Issue Date	
Submission Date	
IV Name & Date	

Submission Format

The submission is in the form of two documents/files:

1. A Working web system which include all the functionalities.
2. A complete documentation which cover Task 03 and Task 04 with correct evidences.

You are required to make use of headings, paragraphs, subsections and illustrations as appropriate, and all work must be supported with research and referenced using the Harvard referencing system.

Unit Learning Outcomes

LO3 Utilise website technologies, tools and techniques with good design principles to create a multipage website

LO4 Create and use a Test Plan to review the performance and design of a multipage website

Assignment Brief and Guidance

Introduction

Today, most banks, super markets, institutes, schools and also hospitals promote their services by using E- marketing strategy to grab the worldwide customers. So **Wintan** Hospital management thought to develop online patient appointment system to enhance the business. This assignment is based on online patient appointment system, which is help to users to book appointments online for doctors who are visit **Wintan** Hospital.

Wintan Hospital is a leading private hospital in Sri Lanka. The hospital was established in September 2008. The vision of **Wintan** Hospital is providing ancillary services to the cancer hospital and caters to the growing needs of Maharagama, Kesbewa and Piliyandala electorates. The Wintan Hospital offers its clientele a private, satisfactory and alternative option to traditional medical consultation with eight consulting rooms and 38 visiting specialist doctors.

Assignment Scenario

There are three receptionists appointed to attend to the channelling work. Patients can get appointment by visiting the hospital or over the telephone. In order to run the channelling system of this hospital efficiently, they thought of introducing the online system for channelling patients for their hospital as it will help the patients as well as the hospital. In this online appointment system first, patients will have to open personal account. After registration they can choose the doctors and get time for appointment. Also patient can cancel the appointment with the doctor. Patients can access his/her account at any location to book even advance appointments.

Wintan Hospital does their appointment in manual system. To do this either the patients have to visit the hospital or use the telephone. Because of the large number of patients and doctors records handled by the reception may find it difficult to handle. Also the patients may have to wait long time in the hospital. When a patient cancel an appointment, most of the time that time period is not given to others because booking time is placed on paper and due receptionist involves a lot of paper work she misses to allocate another person to that time.

The main aim of this project is to develop on line patient booking system for Wintan Hospital. With that it gives more efficient and easy to communicate with patient. The project

covers patient details, doctors scheduling and patient appointments. New development provides reasonable level of data protection and also it reduces the time and work load.

The website must be developed using HTML and php and contain of a minimum of six inter-linked pages.

Task 03 :

3.1 There are many different Online Patient appointment system. You have to do some research on existing web system.

3.2 Design the project plan include the project schedule and gantt chart.

3.3 Design web application using appropriate techniques to specify according to meet a given requirement.

3.4 Implement the web application to a prepared design using client side (Java script) and server side scripting languages (PHP). Host your web application using software suitable web server.

3.5 Implement a web-enabled DBMS (MySQL) to store, retrieve and manipulate data in a web application.

Task 04:

4.1 Identify and implement what are the opportunities for errors handling and reporting.

4.2 You have to Analyses actual test results against expected results to identify differences and explain reasons.

4.3 Create user documentation for developed web application.

4.5 Critically evaluate the design and development process against your design document and analyse any technical challenges.

4.6 Evaluate the quality assurance process and justify the future improvements.

Learning Outcomes and Assessment Criteria		
Pass	Merit	Distinction
L03 Utilise website technologies, tools and techniques with good design principles to create a multipage website		D2 Critically evaluate the design and development process against your design document and analyse any technical challenges.
P5 Create a design document for a branded, multipage website supported with medium fidelity wireframes and a full set of client and user requirements. P6 Use your design document with appropriate principles, standards and guidelines to produce a branded, multipage website supported with realistic content.	M4 Compare and contrast the multipage website created to the design document.	
L04 Create and use a Test Plan to review the performance and design of a multipage website		D3 Critically evaluate the results of your Test Plan and include a review of the overall success of your multipage website; use this evaluation to explain any areas of success and provide justified recommendations for areas that require improvement.
P7 Create a suitable Test Plan identifying key performance areas and use it to review the functionality and performance of your website.	M5 Evaluate the Quality Assurance (QA) process and review how it was implemented during your design and development stages.	