# Graded Unit Project – Template

**Your submitted Project report must be well presented as a professional document:**

**We expect each of the following sections be well detailed.**

**A cover title page, and Table of Contents is expected.**

# Stage 1 (Planning – 40 Marks)

## 1.1.1 Problem analysis

What is your project brief?

Emulate what client wants because don’t have hardware

6 - POINTS

## 1.1.2 Aims of the project assignment:

List the aims of the project.

Identify hardware and software

Get requirements

### 1.1.3 Requirements

### Functional requirements

Provide a detailed account of what the functional requirements of the project are.

What needs to be included in the system e.g. logo, clear navigation, must be accessible with different devices etc.

What will admin staff be able to do? Add new books, keep control of stock etc

What should customers be able to do? Search for books, purchase books etc.

### Non-Functional requirements

Minimum hardware/software requirements, please list them below:

* **Hardware** (minimum requirements, recommended requirements)
* **Web server** details (Hosting provider, operating system, database, PHP)
* **Software** (list of required software)

### Constraints

* Timescale
* Budget
* Resources

### 1.1.4 Key Factors

List the main things that must be achieved within the website.

For example: the website must be responsive, user friendly, database driven etc.

### 1.1.5 Resources and materials

What research did you carry out online? Please provide a list of sources for section 1.1.6

**Procedure:**

1. Who will build the database?
2. Who will purchase the hardware and software?
3. Who will install the software?
4. Who will train the staff on the main functions of the system?

### Equipment: include your resource list

### Software: What software is required, include a list

### 1.1.6 Information sources

Include a list of all information sources including books and websites for hardware and software research.

Include a list of all websites visited for the purpose of research.

Detail what you did to find out more information about your client’s needs. List what research you did online regarding software and hardware.

### 1.1.7 Analysis

Include a bullet point list of the techniques and resources used to research your project.

Include online sources, offline sources, review of existing documentation and interview with client.

### 1.1.8 Project Schedule:

Include a project schedule including

* main tasks
* timescales for each stage and overall completion (with dates)
* resources
* dependencies
* deliverables

### 1.2 Project Plan

# Stage 2 (Developing – 40 marks)

## 2.1 Implementing the planned solution

## 2.1.1 Identify a suitable hardware and software platform (10 marks)

*Discuss (justify/reason your selection) of the following:*

* *Server selection*
* *Operating System*
* *Web Server*
* *Database/PHP*
* *Content Management System*

### 2.1.2 Install and configure the software (10 marks)

*Discuss the following installation and configuration procedures for:*

* *Operating System*
* *Web Server*
* *Database/PHP*
* *Content Management System*
* *CMS Themes/plugins*

### 2.1.3 Set up a Prototype which the company can extend later (10 marks)

*Discuss how you prototype site was setup in your CMS, and how it operates*

* *Pages, Plugins, config options, users etc*

*Discuss how the website meets the functional requirements i.e.*

* *Responsive site*
* *Database driven*
* *Server and software must be carried out in-house*
* *Customers must be able to set up accounts, purchase goods and make payments online*
* *Existing packaged solutions should be used, rather than those calling for extensive development of bespoke code*

## 2.2 Testing the implemented solution (8 marks)

*Discuss your testing strategy/plan and Test Data, and what amendments where required.*

## 2.2 Managing the Project (2 marks)

*How well did you manage your project? Were there amendments to the Project Plan?*

# 3. Evaluation (20 marks)

## 3.1 Outline of the assignment (4 marks)

*Review the assessment brief, and discuss the outline of the assignment and to what extent the solution met the original requirements of the assignment brief*

## 3.2 Strengths and Weaknesses (4 marks)

*Discuss the strengths and weaknesses of the outputs of the practical assignment*

## 3.3 Recommendations (4 marks)

*Discuss any recommendations for any future development of the solution and reasons for these recommendations*

## 3.4 Modifications (4 marks)

*Discuss any modifications to the project plan, solution design and/or implementation, that were made during the project. Including reference to any unforeseen events and how they were handled*

## 3.5 Knowledge and Skills (4 marks)

*Discuss and identify any knowledge and skills which have been gained or developed while carrying out the project assignment and how the actions / process of carrying out the project could have been improved*