

MODULE: Web Based Programming**ASSIGNMENT TITLE: Assignment 1: Website project**

DATE SET	:	Wednesday 19 Oct 2016	
DATE OF SUBMISSION	:	15:00 Wednesday 16 Nov 2016	
RETURN DATE	:	14 December 2016	
ASSIGNMENT VALUE	:	20%	
SET BY	:	T. Wu	SIGNED:
CHECKED BY	:	G. Richards	SIGNED:

Aim:

Provide experience of web programming.

Introduce a range of software development ideas and technologies which will be explored in greater depth later in the course.

Learning outcomes:

The ability to construct simple web applications using current web technologies

A simple understanding of the main features of architectural, design and development models for contemporary applications development

Assessment criteria

The main emphasis in marking will be on the demonstrated ability to design and construct a simple dynamic website, to analyse sites offering similar services, and to produce an appropriate report on these activities.

For the software developed in this assignment, marks will be awarded for the quality of the design, the usability, accessibility and appearance of the system, and the quality of the implementation.

Familiarize yourself with the submission procedure.

An indicative breakdown of marks is given on the marking sheet (attached).

Description of assignment:

Your task is to design and construct a website for a holiday apartment.

Scenario:

Stephanie meets up with a group of her friends on a midweek evening and – because the weather forecast is good – they decide to take a trip to the coast at the weekend. After some discussion, they decide to look for an apartment or holiday cottage to hire.

Introduction

The task is to design a website for a property. It should include images of the property, directions to get there, contact details for the owner or agent, a description of the facilities in the apartment, nearby shops, places to eat, local activities and attractions. You do not need to implement any booking facilities in this assignment. You should include facilities (an electronic visitor book) to allow comments to be left, and to see previous comments.

1. Core functionality:

- (a) A gallery capable of displaying thumbnails and larger images;
- (b) Descriptions of the property and of facilities of the local area;
- (c) Pages to read and display reviews.

2. Additional functionality:

When you have completed the core functionality listed above, you can add facilities to dynamically create and modify content using JavaScript. For instance, if you have stored the image captions as the alt text in the tag, this can be retrieved and displayed with JavaScript. Much more is possible and your task in this section is to make good use of HTML5 capabilities, combined with JavaScript to give a good user experience.

All the HTML code must be validated to HTML5, with all the style elements in external CSS stylesheets (any in-line style tags or attributes will be penalised); the JavaScript needed for the third part of the assignment should all be in external scripts.

Resources

You will need to consult a range of sources. For this project you must use the information you can discover unaided and you may not request further information from other people or organisations. Queries or clarifications concerning the brief can be addressed to Dr. Taoyang Wu (taoyang.wu@uea.ac.uk).

Deliverables

A working website. Ensure that all files used by your site are in a main folder and sub-folders (e.g. sub-folders for CSS, images and scripts). Ensure that you always use relative references, if you use absolute references it may not be possible to view resources.

A PDF document detailing any special or advanced features of your site that you wish to highlight and any problems you might have encountered. This should **not** be a detailed description of work carried out and should be a maximum of one side of A4.

Submission Procedure

The initial submission procedure is as follows, but do check Blackboard announcement for possible further updates.

1. Add the PDF document (using your student number as the file name; e.g. 123456789.pdf) to the main folder. Here you should replace '123456789' with your student number.

2. Make sure that the main html file is named as 'index.html' and the first line of that file should be a html comment containing your 9 digits student number only (e.g. <!--123456789 -->).
3. Upload the main folder (including the PDF document) by the submission date to the following server..

Hostname: cmp-16stupy01.cmp.uea.ac.uk

Login via **winscp** (or similar programs such as ssh/scp/fugu) on **a lab machine** and use your standard UEA username/password. Try it before the submission. If you are not sure about it, ask your lab leader.

4. The server will be closed after the submission date, that is, **15:00 Wednesday 16 Nov 2016**. Submission after that will be penalized, and should use **Blackboard** instead. That is, zip the main folder and its sub-folders into a single file and submit it use Blackboard.

Work submitted	Marks deducted
After 15:00 on the due date and before 15:00 on the day following the due date	10 marks
After 15:00 on the second day after the due date and before 15:00 on the third day after the due date	20 marks
After 15:00 on the third day after the due date and before 15:00 on the 20th day after the due date.	All the marks the work merits if submitted on time (i.e. no marks awarded)
After 20 working days	Work will not be marked and a mark of zero will be entered.

If students have a compelling reason for an extension to a deadline for a piece of work, they should submit a request before the deadline to the appropriate Learning and Teaching Service Hub, on a University Extension Request Form accompanied by appropriate evidence. Full details are given in the student handbook.

Plagiarism: Plagiarism is the copying or close paraphrasing of published or unpublished work, including the work of another student; without due acknowledgement. Plagiarism is regarded a serious offence by the University, and all cases will be investigated. Possible consequences of plagiarism include deduction of marks and disciplinary action, as detailed by UEA's Policy on Plagiarism and Collusion.

Student Number

	Excellent	Very good	Good	Acceptable	Poor	Missing or Inadequate	Awarded Mark
Basic system Implemented using HTML5, CSS3 and JavaScript. All required pages included. Local storage used for comments. All links work as intended.	40	32	24	16	8	0	
Code Quality of code, (logic, layout and comments.) HTML5 validates CSS3 Validates	20	16	12	8	4	0	
Look and Feel The overall look and feel of the system.	20	16	12	8	4	0	
Advanced Features Any feature that go beyond the basic brief.	20	16	12	8	4	0	
Overall Mark							

Comments