

COMP11008 Web Development

Project Brief

Background

You have been contracted by a new start-up company to deliver a web site to the public. The company is called movieprops.com and will provide original movie props and costumes to the public (think Utility Belt from Batman, Mark III Armour Suit from Iron Man, Time Travelling DeLorean from Back To The Future,...). It is up to you to develop the branding (logos, color scheme, etc) as well as deliver the technical site itself. While the site is not directly an online store, it should provide information about several of the company's products and a system for potential customers to register their interest. These customers' details should be stored in a database and be accessible in a private section of the site. Note: This is an intentionally silly subject. The aim is for you to produce a web site with fun content, making the project more enjoyable. If for some reason you find the subject inappropriate then you may email me (graeme.mcrobbie@uws.ac.uk) an alternative topic. However the same requirements will be in place so your topic must be able to adapt.

Requirements

Your site must have a consistent look and feel, with a persistent logo and navigation section. You should include the following pages:

- A home page that is clean, good looking and enticing to customers.
- An about-us page that provides fictional text about the company's history and philosophy.
- Product pages that provide details for at least six products.
- A registration page that lets potential customers register their interest.
- An administration page that displays the details of those who have registered.

Technologies and Marking Scheme

To complete the project you must make use of the following technologies.

Technology	Requirements	Mark Allocated
HTML5	You must make use of the latest HTML features to deliver an up to date web site that conforms to W3C standards.	10
CSS3	You must make use of the latest CSS features to deliver a professional looking web site that conforms to W3C standards.	10
JavaScript	To enhance the end-user's experience, you must make use of JavaScript to embed three client-side applications that add interactive components to web site.	30
HTML5 canvas	You must make use of HTML5 canvas to place a company logo in the top-left corner of every web page.	10
AJAX	To enrich the end-user's experience, you must make use of AJAX to embed a dynamic web application into the web site that update portions of a web page based upon user events.	10
PHP and MySQL	You must make use of PHP and MySQL to register and view the details of potential customers.	20
Web Services	The web service: http://webdev.student.uws.ac.uk/movie-trivia.php outputs random movie trivia in a JSON format. You must make use of client-side and/or server-side scripting to embed this random trivia into your home page.	10

In addition, you must produce documentation (no more than 5 pages) that discusses how you have addressed each of the technological requirements listed above. This documentation is worth a further 20 marks and should be saved electronically (as a word or pdf document) within the same folder as your project.

Total Marks Available: 120

Marking Scheme

Each area of the project will be marked in accordance with University Regulations:

Numerical range (%)	Definition	Descriptor
70-100	Excellent Outstanding	Student work very much exceeds the threshold standard. It displays a consistently thorough, deep and/or extensive knowledge and understanding; originality and/or very high ability in analysis, evaluation, problem solving or other process skills; very high ability in professional practice skills (where relevant) including evidence of high degree of autonomy and independent judgement relative to threshold expectations.
60-69	Very good Commendable	Student work is well above the threshold standard. It displays a consistently very good level of knowledge and understanding; high ability in analysis, evaluation, problem solving or other process skills; high ability in professional practice skills (where relevant) including exercise of significant independent judgement relative to threshold expectations.
50-59	Good Highly competent	Student work is clearly above the threshold standard. It displays generally good knowledge and understanding; good ability in analysis, evaluation, problem solving or other process skills; evidences highly competent performance of professional practice skills (where relevant).
40-49	Satisfactory Competent	Student work is at the threshold standard. It displays generally satisfactory knowledge and understanding in most key respects; competence in analysis and most other process skills; evidences competent performance of professional practice skills (where relevant).
30-39	Unsatisfactory	Student work is marginally below the threshold standard. It displays some knowledge and understanding but this is incomplete or partial; limited ability in analysis and other process skills; evidences lack of or partial competence in professional practice skills (where relevant).
1-29	Very unsatisfactory	Student work is well below the threshold standard. It displays very limited knowledge and understanding; evidences very limited or no analytical or other process skills; very limited competence over the range of professional practice skills.
0	No work to assess	There is no work to assess.

Submission

As the project brief specifies the use of PHP and MySQL, save your project web site and documentation to the htdocs folder of an XAMPP installation.

To submit your project – send your xampp folder (and all of its contents) to a compressed (zipped) folder named xampp-bxxxxxxxx.zip – where bxxxxxxxx is your matriculation number.

Upload the compressed folder to [Moodle](#) using the upload tool provided within the module's web site.

As per University Regulations: Coursework submitted after the due date without good cause as determined by the Module Co-ordinator will be penalised by the reduction of ten percentage points from the mark awarded provided that the work is submitted within one calendar week of the due date. Coursework may not normally be submitted more than one calendar week after the due date.