

**College of Arts, Technology and Environment**

**aCADEMIC YEAR 2023/24**

Assessment Brief

# Submission and feedback dates

**Submission deadline:** Before 14:00 on July 15, 2024

Eligible for 48 hour late submission window

**Marks and Feedback due on:** August 12, 2024

N.B. all times are 24-hour clock, current local time (at time of submission) in the UK

# Submission details

**Module title and code**: UFCF9F-30-1 Information Systems Development

**Assessment type**: Portfolio

**Assessment title:** Web App Development

**Assessment weighting:** 100% of total module mark

**Size or length of assessment:** 2000 words.

**Module learning outcomes assessed by this task:**

1. Understand why a business case is needed and create an outline business case for a technology-enabled business solution, including an assessment of business benefits, impacts, risks and return on investment.
2. Demonstrate an understanding of the Systems Development Life Cycle (SDLC) and the role of systems development approaches, methodologies, models, tools and techniques within the life cycle.
3. Identify, select, justify and apply an appropriate set of tools, techniques and methods to support the analysis, development, delivery, release and configuration management of software products.
4. Apply basic formal processes to construct, implement and exploit a well-designed relational database schema.
5. Develop and test a small-scale technology solution utilising an industry standard approach and a widely used contemporary programming language.
6. Specify and develop a user interface based on requirements

# Completing your assessment

**What am I required to do on this assessment?**

You will develop a portfolio of materials that document the development of an HTML web-page through requirements and design, up to and including creating an HTML prototype. The RESIT does not require full implementation, testing or deployment.

This coursework represents **100%** of the marks.

You will develop an HTML prototype inspired by any dataset available from the Bristol Open Data website[[1]](#footnote-1) (other than the Bike Pump data that is used for demonstration). Your clickable prototype should incorporate an embedded table and map (using HTML iframes) from your chosen dataset.

You will document the development process using the template provided, including relevant diagrams as indicated.

**Where should I start?**

Your portfolio will follow the stages of the Software Development Life-Cycle.

**What do I need to do to pass?**

The pass mark is 40% for the portfolio as a whole. You should submit your documentation as a Word document and include a zip file containing your HTML prototype.

**How do I achieve high marks in this assessment?**

In each section we’re looking for thoughtful and well-rounded contributions. Wherever you include a diagram, explain what it shows. A document section should never just be a list of bullet points – always include a short introduction. Everything links back to the use-cases, ensure you use consistent naming to eliminate ambiguity.

**How does the learning and teaching relate to the assessment?**

Working on this assignment will help you develop key transferrable skills.

**What additional resources may help me complete this assessment?**

The documentation template is provided as an attachment in the Assessment folder.

**What do I do if I am concerned about completing this assessment?**

UWE Bristol offer a range of Assessment Support Options that you can explore through [this link](https://www.uwe.ac.uk/study/academic-information/personal-circumstances), and both [Academic Support](https://www.uwe.ac.uk/study/study-support/student-support-advisers) and [Wellbeing Support](https://www.uwe.ac.uk/life/health-and-wellbeing/get-wellbeing-support) are available.

For further information, please see the [Academic Survival Guide](https://www.uwe.ac.uk/study/academic-information/academic-survival-guide).

**How do I avoid an Assessment Offence on this module? 2**

Use the support above if you feel unable to submit your own work for this module.

# Marks and Feedback

**Your assessment will be marked according to the following criteria.**

Marks will be awarded for completeness of the documentation as described below. Allow 500 words per section, or 2000 words in total.

* **Planning (25%)**
  + Proposal – business case and scope
  + Context diagram
* **Requirements (25%)**
  + UML Use Case diagram
  + Software Requirements Specification
* **Design (25%)**
  + Low-fidelity Interface Wireframe diagrams
  + Wireflow supporting each use-case
* **HTML Prototype (25%)**
  + HTML prototype showing same grid layout as the wireframes
  + Include embedded table and map from Open Data Bristol

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| --- | --- | --- | --- | --- |
| **TEAM** | **Needs work**  **(0-39%)** | **Pass (40-59%)** | **Merit (60-69%)** | **Excellent (70-100%)** |
| **Planning**  **(25 marks)** | Little or no attempt | Proposal – business case and scope with context diagram. | Thoughtful proposal with context diagram suitably explained. | Well-rounded proposal with all elements of the context diagram defined. |
| **Requirements**  **(25 marks)** | Little or no attempt | Use-case diagram with Software Requirements Specification. | Good set of use-cases with some functional and non-functional requirements, but incomplete. | Comprehensive set of use- cases with well-defined functional and non-functional requirements, traced back to use-cases. |
| **Design**  **(25 marks)** | Little or no attempt | User Interface design with wireframes. | Good low-fidelity wireframes with wireflow with accompanying explanation. | Excellent and well laid out low-fidelity wireframes, with wireflow that documents use-case scenarios. |
| **HTML prototype**  **(25 marks)** | Little or no attempt | Prototype provided but is incomplete, or doesn’t correspond to the design. | Good high fidelity prototype showing same grid layout as developed in the design. | Professional looking styling. |

1. In line with UWE Bristol’s [Assessment Content Limit Policy](https://www.uwe.ac.uk/about/structure-and-governance/policies) (formerly the Word Count Policy), word count includes all text, including (but not limited to): the main body of text (including headings), all citations (both in and out of brackets), text boxes, tables and graphs, figures and diagrams, quotes, lists.
2. UWE Bristol’s [UWE’s Assessment Offences Policy](https://www.uwe.ac.uk/study/academic-information/assessments/assessment-offences) requires that you submit work that is entirely your own and reflects your own learning, so it is important to:
   * Ensure you reference all sources used, using the [UWE Harvard](https://www.uwe.ac.uk/study/study-support/study-skills/referencing/uwe-bristol-harvard) system and the guidance available on [UWE’s Study Skills referencing pages](https://www.uwe.ac.uk/study/study-support/study-skills/referencing).
   * Avoid copying and pasting any work into this assessment, including your own previous assessments, work from other students or internet sources
   * Develop your own style, arguments and wording, so avoid copying sources and changing individual words but keeping, essentially, the same sentences and/or structures from other sources
   * Never give your work to others who may copy it
   * If an individual assessment, develop your own work and preparation, and do not allow anyone to make amends on your work (including proof-readers, who may highlight issues but not edit the work) and

**When submitting your work, you will be required to confirm that the work is your own,** and text-matching software and other methods are routinely used to check submissions against other submissions to the university and internet sources. Details of what constitutes plagiarism and how to avoid it can be found on UWE’s Study Skills [pages about avoiding plagiarism](https://www.uwe.ac.uk/study/study-support/study-skills/reading-and-writing/plagiarism).

1. https://opendata.bristol.gov.uk [↑](#footnote-ref-1)