Module title	**Full-stack Development**
CRN	64665
Level	5
Assessment title	**Full-stack website and Professional Specification**
Submission/Assessment Date	The submission deadline is 30/04/2026 by **no later than 16:00**. Any submission received after 16:00 (even if only by a few seconds will be considered as late).
Module Leader/ Assessment set by	Stuart Haffenden
Weighting within module	This assessment is worth 100% of your overall module mark.
Assessment task details and instructions	You have the option to work on this assessment as a team of 2 people or individually and work in an Agile framework. You will be required to develop a basic project which will consist of a small-scale server configuration hosted on a simple back-end framework and accompanying front-end website. The site will be deployed on a free Cloud server and use GitHub for version management. As part of the submission, you will also produce a report which will document the process and specification of the project, as well as a reflective section commenting on your experience and progression. You will be assessed individually based on the contributions you outline in your reflective document. **Professional Specification** (30%) Supporting documentation in the form of a reflective document detailing the development process from your individual perspective. Details should include, key contributions, a reflection on design challenges, and an evaluation of skills attained. **Practical Project Outcome** (70%), Practical project outcomes will include the final website, server code and deployed URL and GitHub Repository.

Using Generative Artificial Intelligence (Gen AI) tools	**Generative AI is not allowed for generating code for the development of the backend. Generative AI may be used for developing the front-end at a faster rate.** **You must not use AI in the design of your server and how it communicates with the front-end. This project is an exercise in understanding how to write Restful APIs.**
Word count/ duration (if applicable)	The written component should be 1800 words +/- 10%. References and footnotes do not count towards wordcount. There is no penalisation for exceeding the limit. Written assessments that are too short will likely score a low grade by not meeting the assessment criteria sufficiently.
How to submit	For coursework assessments only: students with a Reasonable Adjustment Plan (RAP) or Carer Support Plan should check your plan to see if an extension to this submission date has been agreed. Digital files for each component should be submitted through blackboard. Each component should be uploaded to the correct assessment folder: **Professional Specification** -> Assessment 1 **Professional Specification** – 1800 words (30%) **Practical Project** -> Assessment 2 Practical Project (70%). Your report should be labelled: YOURNAME_FullStack_ASSESSMENT1.pdf Your source code .zip folder should be labelled: YOURNAME_FullStack_ASSESSMENT2.zip
Feedback	You can expect to receive feedback by 22/05/2026 The feedback will directly correspond to the assessment criteria and will be formative, with detailed actionable points for your development.

Assessment criteria

You should look at the assessment criteria below to find out what you need to do to complete this assessment.

Component	Criteria	Weighting
Professional Specification (30%)	Evidence of project contributions to design and development	60%
	Discussion on design challenges and solutions	20%
	Critical Reflection on design phases, group performance and areas of improvement	20%
Practical Outcome (70%)	Understanding of back-end scripting and server configuration	30%
	Understanding of API design (post and get requests)	30%
	Full-stack implementation – how well does the server communicate with the front-end	30%
	Appropriate use of comments and references in code	10%

Assessed intended learning outcomes

On successful completion of this assessment, you will be able to:

1. Design a basic full-stack website utilizing a range of frameworks.
2. Design back-end architectures and APIs
3. Apply creative problem-solving to handling complex data related tasks
4. Demonstrate an understanding of the technical underpinnings of contemporary web development.

Employability skills developed / demonstrated

You will develop a range of employability skills sought by employers through each assessment.

Through this assessment will have an opportunity to develop and demonstrate the following employability skills:

(please put a cross in the box for the skill and level demonstrated in the assessment)

Skill	I	U	A	D
Communication		X		
Critical Thinking and Problem Solving		X		
Data Literacy		X		
Digital Literacy		X		
Industry Awareness		X		
Innovation and Creativity		X		
Proactive Leadership	X			
Reflection and Life-Long Learning				
Self-management and Organisation		X		
Team Working		X		

I = You will have been introduced to this skill

U = You will have developed an understanding of this skill in the context of your subject

A = You will be able to apply this skill in the context of your subject

D = You will have demonstrated an enhanced understanding and application of this skill in a wider context

Support for this Assessment	You can obtain support for this assessment by reviewing the resources on Blackboard, by contacting the module leader, or by scheduling 1:1 tutorial during tutor office hours. Office hours are Wednesday 10:00-13:00, location will be arranged directly with your tutor. **Other sources of support** Understanding your assessment brief/assessment tips for success Develop your academic and digital skills Assessment rules and processes Support services **Issues affecting your assessment** If exceptional circumstances have affected your ability to complete this assessment, you can find more information about the Exceptional Circumstances Procedure (previously Personal Mitigating Circumstances) here. Independent advice is available from the Students' Union Advice Centre. **Academic Integrity and Academic Misconduct** You must learn and demonstrate good academic conduct (academic integrity). Good academic conduct includes the use of clear and correct referencing of source materials. Academic integrity & referencing Referencing Academic misconduct is an action which may give you an unfair advantage in your academic work. Some examples are plagiarism, asking someone else to write your assessment for you, unauthorised use of AI or taking notes into an exam. The University takes all forms of academic misconduct seriously.
In year retrieval scheme	Your assessment is not eligible for in year retrieval.

Reassessment arrangements	If you fail your assessment, and are eligible for reassessment, you will be able to find the date for resubmission on your module site in Blackboard. There is no resubmission if you are on a retake attempt. For students with accepted personal mitigating circumstances for absence/non submission, this will be your replacement assessment attempt. If you need to resubmit, the assessment will remain the same and you will be allowed to build on work that may have failed at first time of submission. Please stay in contact so that we may support you in submitting any outstanding work and ensuring you complete the module. We know that having to undergo a reassessment can be challenging however support is available. Have a look at all the sources of support outlined earlier in this brief.