

Evidence Documents

ID	Title
E1	Bug Testing Platform
E2	Shannon Trust Web App

Knowledge Requirements

ID	Description	Evidence
K1	All stages of the software development life-cycle	<a href="#">E1 - 2.1 - Outline</a>
K3	The roles and responsibilities of the project life-cycle within your organisation, and your role	<a href="#">E1 - 2 - Development Cycle</a>
K4	How best to communicate using the different communication methods and how to adapt appropriately to different audiences	<a href="#">E1 - 4.1 - Communication</a>
K5	The similarities and differences between different software development methodologies, such as agile and waterfall.	<a href="#">E1 - 2.2 - Agile methodology</a>
K7	Software design approaches and patterns, to identify reusable solutions to commonly occurring problems	<a href="#">E1 - 2.5.1 - Design</a> <a href="#">E2 - 4.2 - Emotion</a> <a href="#">E2 - 4.3 - Constants</a>
K8	Software design approaches and patterns, to identify reusable solutions to commonly occurring problems	<a href="#">E1 - Section 2.6.4 - Source &amp; Version control</a> <a href="#">E2 - Section 7 - Continuous Integration</a> <a href="#">E2 - Section 8.1 - Cyber Essentials</a>
K10	Principles and uses of relational and non-relational databases	<a href="#">E1 - Section 2.5.2 Database</a> <a href="#">E2 - Section 5.1 - Database</a>
K12	Software testing frameworks and methodologies	<a href="#">E1 - Section 2.6 Development</a> <a href="#">E1 - Section 2.7 Testing</a> <a href="#">E2 - Section 6 - Accessibility</a>

Skill Requirements

ID	Description	Evidence
S1	Create logical and maintainable code	<a href="#">E2 - Section 4.2 - Emotion</a> <a href="#">E2 - Section 4.3 - Constants</a>
S2	Develop effective user interfaces	<a href="#">E1 - Section 2.5.1 Wireframing</a> <a href="#">E1 - Section 2.6.1 - Frontend</a> <a href="#">E2 - Section 4 - Frontend</a>
S3	Link code to data sets	<a href="#">E1 - Section 2.6.3 - Backend architecture</a>
S5	Conduct a range of test types, such as Integration, System, User Acceptance, Non-Functional, Performance and Security testing.	<a href="#">E1 - Section 2.7 - Testing</a>
S8	Create simple software designs to effectively communicate understanding of the program	<a href="#">E1 - Section 2.3 - Research</a> <a href="#">E1 - Section 2.6.3 - Back-end architecture</a>
S9	Create analysis artefacts, such as use cases and/or user stories	<a href="#">E1 - Section 2.3 - Research</a> <a href="#">E1 - Section 2.7.2 - User testing</a> <a href="#">E2 - Section 2.2 - User Journeys and Issues</a>
S13	Follow testing frameworks and methodologies	<a href="#">E1 - Section 2.7 - Testing</a>
S14	Follow company, team or client approaches to continuous integration, version and source control	<a href="#">E1 - Section 2.6.4 - Source &amp; Version control</a> <a href="#">E2 - Section 7 - Continuous Integration</a>
S15	Communicate software solutions and ideas to technical and non-technical stakeholders	<a href="#">E1 - Section 4.1 - Communication</a>
S17	Interpret and implement a given design whilst remaining compliant with security and maintainability requirements	<a href="#">E1 - Section 2.6.2 - Front-end validation</a> <a href="#">E1 - Section 2.6.5 - Packages</a> <a href="#">E2 - Section 8 - Security</a>

Behaviour Requirements

ID	Description	Evidence
B1	Works independently and takes responsibility. For example, has a disciplined and responsible approach to risk and stays motivated and committed when facing challenges	<a href="#">E2 - Section 2.1 - Working Asynchronously</a> <a href="#">E2 - Section 2.2 - User Journeys and Issues</a> <a href="#">E2 - Section 6 - Accessibility</a>
B4	Works collaboratively with a wide range of people in different roles, internally and externally, with a positive attitude to inclusion & diversity	<a href="#">E1 - Section 2.8 - Deployment</a> <a href="#">E2 - Section 2.1 - Working Asynchronously</a>
B5	Acts with integrity with respect to ethical, legal and regulatory ensuring the protection of personal data, safety and security.	<a href="#">E2 - Section 8 - Security</a>
B6	Shows initiative and takes responsibility for solving problems within their own remit, being resourceful when faced with a problem to solve.	<a href="#">E1 - Section 2.8 - Deployment</a> <a href="#">E2 - Section 6.2 - Pa11y CI</a>
B7	Communicates effectively in a variety of situations to both a technical and non-technical audience.	<a href="#">E1 - Section 4.1 - Communication</a>
B8	Shows curiosity to the business context in which the solution will be used, displaying an inquisitive approach to solving the problem. This includes the curiosity to explore new opportunities, techniques and the tenacity to improve methods and maximise performance of the solution and creativity in their approach to solutions.	<a href="#">E2 - Section 6.2 - Pa11y CI</a> <a href="#">E2 - Section 8.2 - Password managers</a>
B9	Committed to continued professional development.	<a href="#">E2 - Section 4.5 - Redux</a> <a href="#">E2 - Section 6.2 - Pa11y CI</a> <a href="#">E2 - Section 8.2 - Password managers</a>