Highfield Level 4 ST0116 Software Developer

Mock Assessment Materials

Professional discussion underpinned by portfolio

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Ref	**Pass criteria**	**Achieved**	**Not achieved**
PD1	Describes all stages of the software development lifecycle. (K1)		
PD2	Describes the roles and responsibilities of the project lifecycle within their organisation, and their role. (K3)		
PD3	Describes methods of communicating with all stakeholders that is determined by the audience and/or their level of technical knowledge. (K4, S15)		
PD4	Describes the similarities and differences between different software development methodologies, such as agile and waterfall. (K5)		
PD5	Suggests and applies different software design approaches and patterns, to identify reusable solutions to commonly occurring problems (include Bespoke or off-the-shelf). (K7)		
PD6	Explains the relevance of organisational policies and procedures relating to the tasks being undertaken, and when to follow them including how they have followed company, team or client approaches to continuous integration, version, and source control. (K8, S14)		
PD7	Applies the principles and uses of relational and non-relational databases to software development tasks. (K10)		
PD8	Describes basic software testing frameworks and methodologies. (K12)		
PD9	Explains, their own approach to development of user interfaces. (S2)		
PD10	Explains, how they have linked code to data sets. (S3)		
PD11	Illustrates how to conduct test types, such as Integration, System, User Acceptance, Non-Functional, Performance and Security testing including how they have followed testing frameworks and methodologies. (S5, S13)		

Highfield

PD12	Creates simple software designs to communicate understanding of the programme to stakeholders and users of the programme. (S8)		
PD13	Creates analysis artefacts, such as use cases and/or user stories to enable effective delivery of software activities. (S9)		
PD14	Explains, how they have interpreted and implemented a given design whilst remaining compliant with security and maintainability requirements. (S17)		
PD15	Describes, how they have operated independently to complete tasks to given deadlines which reflect the level of responsibility assigned to them by the organisation'. (B1)		
PD16	Illustrates how they have worked collaboratively with people in different roles, internally and externally, which show a positive attitude to inclusion & diversity. (B4)		
PD17	Explains how they have established an approach in the workplace which reflects integrity with respect to ethical, legal, and regulatory matters and ensures the protection of personal data, safety and security. (B5)		
PD18	Illustrates their approach to meeting unexpected minor changes at work and outlines their approach to delivering within their remit using their initiative. (B6)		
PD19	Explains how they have communicated effectively in a variety of situations to both a technical and non-technical audience. (B7)		
PD20	Illustrates how they have responded to the business context with curiosity to explore new opportunities and techniques with tenacity to improve solution performance, establishing an approach to methods and solutions which reflects a determination to succeed. (B8)		
PD21	Explains how they reflect on their continued professional development and act independently to seek out new opportunities. (B9)		
Ref	**Distinction criteria**	Achieved	Not achieved
PD22	*Compares and contrasts the different types of communication used for technical and non-technical audiences and the benefits of these types of communication methods. (K4, S15, B7)*		
PD23	*Evaluates and recommends approaches to using reusable solutions to common problems. (K7)*		
PD24	*Evaluates the use of various software testing frameworks and methodologies and justifies their choice. (K12)*		

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