Instrument-specific marking guide (FIA1)

Comprehending	Marks
AO1: Recognise and describe user-interface components and existing solutions. AO2: Symbolise user interfaces and explain ideas and interrelationships between user experiences. The student response has the following characteristics:	
• Discerning recognition and description of – User-interface components – Existing solutions • Adept symbolisation of – User interfaces • Discerning explanation of – Interrelationships between proposed user experiences – Useability considerations	4–5
• Adequate recognition and description of – User-interface components – Existing solutions • Competent symbolisation of – User interfaces • Adequate explanation of – Interrelationships between proposed user experiences – Useability considerations	2–3
• Makes statements about features of – User-interface components – Existing solutions • Incomplete symbolisation of – User interfaces • Superficial explanation of – Interrelationships between proposed user experiences – Useability	1
• The student response does not match any of the descriptors above.	0

Analysing	Marks
AO3: Analyse the problem and information related to the selected technology context. AO4: Determine programming and user experience requirements of the identified problem and success criteria. The student response has the following characteristics:	
• Insightful analysis of the problem and contextual information to identify features and relationships of – Programming – User interface • Astute determination of – Programming requirements – User-experience requirements – Success criteria	6–7
• Adequate analysis of the problem and contextual information to identify features and relationships of – Programming – User interface • Reasonable determination of – Programming requirements – User-experience requirements – Success criteria	4–5
• Superficial analysis of the problem or information to identify some features or relationships of – Programming – User interface • Vague determination of – Programming requirements – User-experience requirements – Success criteria	2–3
• Unclear analysis of the problem or information to identify features or relationships of components.	1
• The student response does not match any of the descriptors above.	0

Synthesising	Marks
AO5: Synthesise information and ideas to develop the possible solutions for user interface and algorithmic components. The student response has the following characteristics:	
• Logical synthesis of information and ideas to develop the possible solutions for – User interfaces – Algorithms – data	5–6
• Adequate synthesis of information and ideas to develop the possible solutions for – User interfaces – Algorithms – data	3–4
• Simple synthesis of information or ideas to develop the possible solutions for – User interfaces – Algorithms – data	1–2
• The student response does not match any of the descriptors above.	0

Generating	Marks
AO6: Generate a low-fidelity non-coded prototype digital solution. The student response has the following characteristics:	
• Effective generation of a non-coded low-fidelity prototype digital solution that demonstrates the proposed relationship between – User interfaces	4–5
• Adequate generation of a non-coded low-fidelity prototype digital solution that demonstrates the proposed relationship between – User interfaces	2-3
• Generation of elements of the non-coded low-fidelity prototype digital solution that demonstrates the proposed relationship between some – User interfaces	1
• The student response does not match any of the descriptors above.	0

Communicating	Marks
AO8: Make decisions about and use mode-appropriate features, language and conventions for written and spoken communication for a technical audience. The student response has the following characteristics:	
• Effective decision-making about, and fluent use of – Visual, spoken and/or written features to communicate about a solution – Language for a technical audience – Grammatically accurate language structures – Referencing conventions	2
• Simple decision-making about, and inconsistent use of – Visual, spoken and/or written features to communicate about a solution – Language for a technical audience – Grammatically accurate language structures – Referencing conventions	1
• The student response does not match any of the descriptors above.	0