IB Computer Science IA Report

Criterion B: Record of Task and Design

Task Number	Planned Action	Planned Outcome	Time Estimate	Target Completion	Criterion
1	Initial Interview with client	Discuss the Client's wants and my vision	0.5 hour	05/12/23	Planning
2	Define the Problem	Draft Criterion A	1 hour	05/15/23	Planning
3	Technology Research and self-reflection	Sought out available language, libraries, algorithms and other 3rd party tools to employ	5 hours	05/21/23	Planning
4	Establish Product Rationale and Solution	Draft for Criterion A and presentability for my client	1.5 hours	05/23/23	Planning
5	Second Interview	Code Concept Approved by Client	1 hour	05/30/23	Planning
6	Complete Rational	Draft Criterion A	1 hour	06/02/23	Planning
7	Design Colour Scheme	Application Color Scheme Settled	0.5 hour	06/02/23	Designing
8	Design Screen Mockups for the Application	Draft Criterion B	3 hours	06/10/23	Designing
9	Third Interview	Approve Screen Mockups	1 hour	06/13/23	Designing
10	Complete Success Criteria	Complete Criterion A	1 hour	06/13/23	Planning
11	Research and Designing Program File Structure	File Structure Applicable	0.5 hour	06/18/23	Developing
12	Research and Designing Map Save File Structure	File Structure Applicable	0.25 hour	06/18/23	Developing
13	Draft UML Diagrams, System Flow Diagrams and ER Diagrams	Draft Criterion B	6 hours	07/05/23	Planning
14	Programming and Testing LayoutGenerator Class	Class programmed without major issues	8 hours	07/15/23	Developing
15	Programming and Testing Debug Visualisers Class	Class programmed without major issues	3 hours	07/18/23	Developing

16	Programming and Testing StructureOrganiser Class	Class programmed without major issues	12 hours	07/25/23	Developing
17	First Visualizer Test	The program run without any major issues	1 hour	07/26/23	Testing
18	Bug Fix	Bugs Fixed	3 hours	07/28/23	Testing
19	Programming and Testing MapRenderer Class	Class programmed without major issues	15 hours	08/05/23	Developing
20	Drawout Tile Designs Assets	Tile Designs Drawn and Saved	3 hours	08/06/23	Designing
21	Second Visualizer Test	The program ran without any major issues	1 hour	08/06/23	Testing
22	Bug Fix	Bugs Fixed	3 hours	08/08/23	Testing
23	Implement Application Design using PyGUI	Application Visuals Functional	10 hours	08/13/23	Implementing
24	Bug Fix	Bugs Fixed	3 hours	08/18/23	Implementing
25	Installation	Application Successfully installed on client's computer	30 minutes	09/12/23	Implementing
26	Complete Pseudo Code, UML Diagram, and System Flow Diagram	Complete Criterion B	6 hours	10/21/23	Planning
27	Documentation	Complete Criterion C	12 hours	01/12/24	Testing
28	Fourth Interview	Discuss Potential Improvement	1 hour	10/21/23	Testing
29	Film Application in Action	Draft Criterion D	1 hour	01/12/24	Testing
30	Edit Film voice-over	Complete Criterion D	1 hour	01/16/24	Testing
31	Complete Evaluation	Complete Criterion E	3 hours	01/20/24	Testing