Criterion B: Record of Tasks

Candidate Code: gqs123

Task #	Planned action	Planned outcome	Time estimate	Target Completion Date	Criterion
1	Initial brainstorming of what possible project ideas.	After critical thinking of possible project ideas, I decided to develop an application to benefit education with respect to younger individuals.	5 days	*June 5th, 2019*	A
2	Discuss with my computer science teacher about my project ideas.	My computer science told me that I need to ensure that my project idea is 'complex' enough for the internal assessment.	1 day	*June 7th, 2019*	A
3	Find and discuss with a client that corresponds to my field of interest.	My real-life client is a local charity in Morocco called 'Fondation Ababou'. I proposed a solution, to create an iOS application that would help young French speakers learn the basics of English.	1 week	*June 28th, 2019*	A
4	Discuss with my computer science teacher about my proposed solution to my client's problem.	My computer science teacher approved my proposed solution to the client and gave some general feedback and tips on how to initiate the product.	30 minutes	*July 5th, 2019*	A, B
5	Research what programming language and software was best to use.	**Programming language used:** Swift & Objective C **Software:** Xcode & Sketch	4 days	*July 7th, 2019*	B
6	Discuss with the client for the initial plan of the product.	My client disapproved of my first proposed solution. I proposed a new solution: to create a web application, so that it may be accessed by any type of device.	2 hours	*July 9th, 2019*	A, B
7	Research what programming language was best to use for a website with a database.	HTML, CSS, JavaScript, and PHP.	1 day	*July 10th, 2019*	B
8	Define the criteria for success and finish the first draft for Criterion A.	Learned more in-depth about the client's problem and created the criteria for success expected once the product is developed.	2 days	*July 11th, 2019*	A
9	Learn how to code in PHP.	The concepts of PHP were not covered in the IB Syllabus. Because of this, I self-taught myself the essential techniques used to build a dynamic PHP website through online paid courses.	3 weeks	*August 2nd, 2019*	B, C
10	Buy a domain from a web hosting server, and find a name for the product.	The new name of the web-app: *QuickLang* I bought a domain with the link being: **www.quicklang.net**.	2 hours	*August 5th, 2019*	B
11	Design the user interface for the main page	I designed the web template for my home page, login form, and further abstract	3 days	*August 9th, 2019*	B

		designs.			
12	Third discussion with the client for the progress made so far.	The client approved the name given to the product. The criteria for success were defined in-depth, and the main elements for the website were clarified.	**2 hours**	*August 10th, 2019*	**A, B**
13	Complete Criterion A.	Created a document defining the problem, provided a small rationale for the proposed solution, and established the starting success criteria.	**1 day**	*August 10th, 2019*	**A**
14	Create a test plan for success criteria.	Listed out the problems that I will have to solve by the end of the development stage.	**30 minutes**	*August 10th, 2019*	**B**
15	Create a flowchart diagram for the product.	Oriented myself throughout the development of the product.	**3 days**	*August 12th, 2019*	**B, C**
16	Connect the database and the program.	The data can now flow between the database and the program through the use of the MySQL database.	**20 minutes**	*August 12th, 2019*	**C**
17	Start developing the product.	I was able to closely replicate the design I made for the web pages through coding in PHP, HTML, CSS, and JavaScript.	**1 month**	*September 9th, 2019*	**C**
18	Tested the product with my computer science teacher.	Identified some bugs and errors in the code.	**1 hour**	*September 10th, 2019*	**C**
19	Make changes based on the feedback from my computer science teacher	Fix any potential bugs and errors that reduce the efficiency of the product.	**2 days**	*September 26th, 2019*	**C**
20	Discuss with the client about the progress made so far.	My client requested that I change certain designs for the web pages.	**2 hours**	*October 28th, 2019*	**C, E**
21	Make changes based on feedback from the client	Changed the design and added further features to the product.	**3 days**	*November 14th, 2019*	**C, E**
22	Complete Criterion C.	Wrote a document explaining the techniques used to develop the product.	**5 days**	*January 9th, 2019*	**C**
23	Presented the final version of my product to the client	My client approved the presented version of the product.	**1 hour**	*February 6th, 2019*	**E**
24	Complete Criterion D.	Wrote a script and recorded a video explaining the functionalities of the product.	**3 days**	*February 21th, 2019*	**D**
25	Complete Criterion E.	Evaluated the proposed solution, determined if the success criteria were met, and identified possible improvements.	**2 days**	*March 5th, 2019*	**E**