

Task Number	Planned Action	Planned outcome	Time estimated	Target completion date	Criterion
1	Decide on project	Decide on a suitable project to work on.	1 week	29/3/2020	A
2	Consulting client	Establish a success criteria with client and decide on functionality of program	1 hour	4/4/2020	A
3	Choose programming language	Consider pros and cons and different languages and decide on a language/ languages	2 hours	5/4/2020	A
4	Complete user interface design	Create a rough idea of how the system would look like	1 week	13/4/2020	B
5	Consult client about user interface design	See if the design is suitable and if client is happy with it	1 hour	13/4/2020	
5	Complete use case diagram	Create a diagram to show how different people use the program	1 day	14/4/2020	B
6	Complete data flow chart	Create a data flow flowchart to give general understanding of how program operates	3 days	17/4/2020	B

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7	Complete CRC and Class diagram	Create a CRC and Class diagram to show how the classes will interact with each other and their responsibilities	3 days	20/4/2020	B
8	Decide on database structure and create ERM diagram	Create a ERM diagram to show how the databases will interact with each other and the structure of the databases	1 week	27/4/2020	B
9	Complete test plan	Have a completed list of testing criteria and ways of testing and expected results	1 week	3/5/2020	B
10	Complete Pseudocode	Write a list of pseudocode that roughly describes the function and the processes of important functions	1 week	10/5/2020	B
11	Create SQLite database	Create the SQLite database as structured by my ERM diagram	2 hours	10/5/2020	C

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12	Create GUI frames for the first page and the login pages for the admin, executive team and contestants	Complete the design and coding for the main page and the login pages.	3 days	13/5/2020	B
13	Create the password and game code authentication process	Code the backend for the login pages created and make sure it is functional	3 days	15/5/2020	B
14	Create GUI frames for the other pages without css	Create pages with a general outline of the elements each page is going to have and their positions on the page	3 day	18/5/2020	C
15	Implement view, add, edit, and delete question feature	Finish creating a functional backend to view, add, edit and delete questions	1 week	25/5/2020	C
16	Implement host game feature and ensure contestants can join game using the game code and admins can get to the admin control panel	Finish creating a functional backend to generate a random game code when game is hosted. A random team ID is generated when team joins. If joining game is successful they redirected to new page.	5 days	30/5/2020	C

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17	Implement sync feature where when admin presses “next question”, “end game” or “end game” button both the host’s screen and contestants’ screen change.	Create functional backend that allows the admin, host, and contestant screen to respond to the buttons pressed on the admin screen	1 week	6/6/2020	C
18	Implement Javascript eg. making a countdown timer and showing local time	Javascript implemented in the frontend and working	5 days	11/6/2020	C
19	Consult with client about the functionalities implemented and make changes if changes need to be made	See if there are any functionalities that needs changing or adjusting and adjust to clients liking	2 hour	11/6/2020	C
20	Implement CSS for the frontend pages	Pages should look like how it is previously designed	2 days	13/6/2020	C
21	Run solution multiple times to check for bugs and errors	Ensure that all functions work properly without any bugs	1 week	20/6/2020	C
22	Film video describing the functions of the program for evaluation	Complete filming video which describes the function of the program	1 day	21/6/2020	D

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23	Consult client on the final product	Get feedback from client and how the program can be further extended	2 hours	30/8/2020	E
24	Evaluate whether the points on the success criteria has been met	Ensure that all points on the success criteria has been met and show evidence by creating a table	3 hours	31/8/2020	E