Criterion B: Record of Tasks

Task Number	Planned Action	Planned Outcome	Time Estimated	Target Completion Date	Criterion
#1	Identification of the problem.	Client and a general problem identified, meeting scheduled.	15 minutes	January 22, 2025	A
#2	Initial consultation with clients for clarification.	Problem identified and thoroughly discussed, solution proposed and agreed on.	30 minutes	January 22, 2025	A
#3	Confirmation with advisor.	Confirmed with a teacher that my proposed solution is achievable.	15 minutes	January 23, 2025	A
#4	Choose technology stack for the project.	Databases, engine and programming languages chosen.	1 hour		A
#5	Write down the success criteria for the project.	Have outlined success criteria and established goals.	3 days		A
#6	Plan out api routes?	Select API for use	1 day		B
#7	Create wireframe diagrams to visualize navigation of website.	Created visual representation of how the front-end of the project will look like.	1 week (+1 week for a very detailed version/)		B
#8	Make dataflow and ERD diagrams.	Annotated dataflow and ER diagrams and additional facilitating design elements developed.	2 weeks		B

#9	Make general algorithm flowcharts.	The entire algorithm of the project planned out, recorded and visualized.	2 weeks		B
#10	Include a data dictionary	Described the variables and data types that will be used	1 week		B
#11	Potentially include structure notes	Described/shown site and page structure	1 week		B
#12	Conduct a test plan	Planned how I will alpha test the product and how the client will beta test the product	1 week		B
#13	Set up a folder of separate HTML, JS and CSS files	The separate web pages my site will use organized into three inter-connected sections	15 minutes		C
#14	Make the website homepage and menu bar	Homepage which will redirect to biology/chemistry databases displayed	1 day		C
#15	Create a log-in page	Log-in page made so user-input preferences can be recorded.	2 days		C
#16	Make a form and user input database	User-inputted preferences from log-in stored.	1 day		C
#17	Integrate IB past paper databases for Chemistry and Biology	Past IB papers for users displayed and granted access to	1-2 weeks		C
#18	Create filters for past papers	Papers are able to be filtered by year/subject/type,	5 days		C

		etc.			
#19	Construct a question generator (potentially)	Users will be able to operate a generator which presents IB-style questions based on past papers.	2-3 weeks		C
#20	Develop a revision flashcard system	Users will be able to create and view flashcards of IB subject terminology and store their favorites on their profile page	2-3 weeks		C
#21	(Potentially) Create a separate lab simulation exercise	Separate from IB databases, users will be able to simulate types of bacteria in an environment and observe their reproduction and interaction	4+ weeks		C
#22	Development of miscellaneous features	Any addition or removal of features for user comfort.	1-2 weeks		C
#23	Visual Polishing	UI and visual aspects of site cleaned up and workshopped	1-2 weeks		C
#24	Test code against plan (Alpha testing)	Confirmed that program passes my test plan/success criteria	2 hours		B/A
#25	Correction of any bugs discovered	Fix any potential bugs, user-input, or generation systems	4 days		C
#26	Test site with a client (beta testing)	Confirmed that my program passes my test plan/success criteria and user requirements	2 hours		E

#27	Gain feedback from client	Tested the draft version and received suggestions for improvement.	30 minutes		E
#28	Update program to user's requirements	Used gained feedback to ameliorate experience and fixed eros.	2 days		C
#29	Write user manual/instructions	Instructions on how to open/use website provided to clients	1 day		C
#30	Publish/send to client	Program published/sent/installed on client's device	2 hours		E
#31	Gather final feedback from client	Have created a questionnaire or asked in person about the experiences and feedback from my client regarding my program's use and their experience	1 day		E