

Criterion B: Record of Tasks

Task #	Action	Result	Time	Criterion
1	Begin record of tasks	I have created a table.	2 min	B
2	Brainstorm possible ideas	Think about digitizing certain procedures with possible clients	1 hour	A
3	Contact the client	Discuss what you can do with helping his organization improve his website	1 hour	A
4	Finalize an idea	I have settled on making a 3-part program that will help facilitate the Dhoom Dhaam Event.	1 hour	A
5	Contact with the client to verify if my idea is viable	My client suggested some improvements to my suggested model.	1 hour	A
6	Determine which medium the form program will be in	I have settled on making the web form primarily based on HTML/CSS/JS	1 hour	A
7	Determine which medium the notifier program will be in	I have settled on making the notifier program primarily based on Python.	1 hour	A
8	Write out situation	I have written my definition of the situation	1 hour	A
9	Write out rationale	I have written my rationale	1 hour	A
10	Talk with client to confirm the details of the program	I have finished the final interview of my client before I show him the end product.	1 hour	A

Task #	Action	Result	Time	Criterion
11	Write out requirements for the program	I have written my requirements for the program	1 hour	A
12	Research on how to write flowcharts and UML Diagrams	I have learned what the different blocks in a flowchart represent and I now know the structure of a UML Diagram.	1 hour	B
13	Figure out what software to use for the flowcharts and UML diagrams	I have settled on using Libreoffice Draw for my flowchart/UML needs.	30 min	B
14	Draft a flowchart for the web form	I have drafted a short notifier for the web form.	1 hour	B
15	Explain what is happening in the flowchart	I have drafted a short summary explaining what is occurring in the flowchart	1 hour	B
16	Draft a flowchart for the notifier script	I have drafted a flowchart for the notifier script	1 hour	B
17	Explain what is happening in the flowchart	I have drafted a short summary explaining what is occurring in the flowchart	1 hour	B
18	Figure out which APIs I will be using for the spreadsheet and the notifier program	I have decided on Twilio and Google Sheets.	1 hour	B
19	Watch videos about the Google Sheets API	I have learned how to manipulate spreadsheets using the Google Sheets API.	1 hour	B

Task #	Action	Result	Time	Criterion
20	Watch videos about the Twilio API	I have learned how to send SMS with the Twilio API.	1 hour	B
21	Begin developing the form-to-spreadsheet script	I've started coding the web form. I've been looking at YouTube videos for how to push FormData to Google Sheets, but most of the videos look much to complicated to follow.	1 hour	C
22	Finish developing the form itself, adding CSS	I've found a good guide to CSS in forms, which I have used extensively in my CSS stylesheet.	1 hour	C
23	Create a google sheet for the form to send its data to	I've created a Google Sheet and labeled it.	2 min	C
24	Find a method for the web form to push data to Google Sheets	I've found a YouTube video which details a hacky solution involving using Ajax to insert FormData into Google Forms and have that format the data in google sheets for you. A possible solution?	1 hour	C
25	Finish commenting on the form itself	I've finished commenting on the form and have provided screenshots of the code.	1 hour	C
26	Finish commenting on the form-to-spreadsheet script	I've finished commenting on the form-to-spreadsheet script and have provided screenshots of the code	1 hour	C

Task #	Action	Result	Time	Criterion
27	Begin developing the web app to code phone numbers using Twilio	I encountered some obstacles immediately on trying to code this in Java, including needless complexity and too much setup, so I decided to use Python instead.	1 hour	C
28	Create a Twilio account and explore its capabilities	I've finished creating a Twilio account, bought a phone number, and explored its blog.	1 hour	C
29	Setup a Twilio project and credentials	I've set up the credentials required to use Twilio from my local machine.	1 hour	C
30	Hardcode in the phone numbers in the application and check if sending texts work	I've verified that sending texts works from my phone number	1 hour	C
31	Work on the function that takes data from google sheets and puts it into a list	I've found out how to read the data, but I have no idea how to format it.	1 hour	C
32	Figure out how to format the data from Google Sheets	I've decided on a dictionary with nested lists as values as the best format.	1 hour	C
33	Record progress while developing the web form by taking screenshots and commenting on the code	I've finished commenting on the code and have provided screenshots of the code.	1 hour	C

Task #	Action	Result	Time	Criterion
34	Figure out how to record the web form	For the web form, I have decided to use OBS Studio	1 hour	D
35	Record a video of the web form in action.	I've finished creating and editing the video.	1 hour	D
36	Figure out how to record the Twilio script	For the web form, I have decided to use a camera since I need to record the message showing up on my phone.	1 hour	D
37	Record a video of the texting app in action.	I've finished creating and editing the video.	1 hour	D
38	Showcase the application to my client and ask for feedback.	My client is satisfied with the result for now, but has provided feedback for me, which I will detail in Criterion E.	1 hour	E
39	Finalize Criterion B	I have finalized Criterion B.	1 hour	B
40	Finalize Criterion E	I have edited and finalized the transcripts of the numerous interviews that I have done.	1 hour	E
41	Finalize Criterion C	I have finalized Criterion C.	1 hour	C