CRITERION B: RECORD OF TASKS

	Candidate: Rohan Muppa				
Task number	**Planned action**	**Planned outcome**	**Time estimate**	**Target completion date**	**Criterion**
1	Meet with Client	Understand client overall requirements and desires for the product.	5 min	2/04/23	A
2	Wrote introduction for Criterion A	Created a basic outline of what the project was about.	30 min	2/04/23	A
3	Meet with Client	Further understand the specific requirements and inputs desired by the client.	5 min	2/05/23	A
4	Wrote proposed solution, and success criteria	To organize Criterion A and provide an overview of the project	15 min	2/05/23	A
5	Meet with client	Get an understanding of client's desired success criteria	2 min	2/06/23	A
6	Work on success criteria	To adjust the success criteria based off of client input	15 min	2/06/23	A
7	Plan out what the program's outline will look like	Create flowchart	6 hours	2/10/23	B
8	Meet with client	Understand how the UI will look like	30 min	2/12/23	B
9	Get screenshots of the UI	Create UI Flow	1 hour	2/15/23	B

10	Write down program classes and function	Create UML Diagram	1 hour	2/15/23	B
11	Review success criteria and ways to test them	Table that identifies success criteria and test plans	1 hour	2/16/23	B
12	Map out how the data will be manipulated	Update UML and help map out the code	1 hours	2/16/23	B
13	Initialize JavaFX project	Basic JavaFX project set up (troubleshooting)	2 hours	2/17/23	C
14	Research potential plant data APIs	To implement APIs and simplify the code	2 hours	2/17/23	B
15	Develop a detailed project plan and timeline	Well-defined project plan and timeline	1 hour	2/18/23	B
16	Meet with client	Understand what other inputs are necessary	20 min	2/18/23	B
17	Implement UI layout	Basic UI layout (one button) without functionality	1 hour	2/19/23	C
18	Add to UI input layout	Add garden size input without functionality	30 min	2/23/23	C
19	Add to UI input layout	Add garden location input without functionality	20 min	2/23/23	C
20	Add to UI input layout	Add sun exposure input without functionality	20 min	2/24/23	C
21	Implement functionality for garden size	Allow user to input garden size and store value	15 min	2/26/23	C
22	Implement functionality for	Allow user to input garden location and	10 min	2/26/23	C

	garden location input	store value			
23	Implement functionality for sun exposure input	Allow user to input sun exposure and store value	15 min	2/26/23	C
24	Create plant selection UI	Create UI for selecting plants based on user inputs	30 min	2/27/23	C
25	Research how to implement plant data for database	Understand how to use API to use plant data to populate database	10 min	2/27/23	C
26	Create Garden class with getters	Implement the fundamental class of the program to store garden data	25 min	2/27/23	C
27	Implement plant search functionality	Allow user to search for plants based on various criteria	30 min	2/28/23	C
28	Implement plant selection functionality	Allow user to select plants for their garden and add them to a list	30 min	2/28/23	C
29	Research how to add plant information functionality	Understand how to enable users to view plant information by clicking on selected plants in garden layout	15 min	3/01/23	B
30	Create showAlert method in the Main class	Be able to show alerts for invalid input as well as outputs	10 min	3/02/23	C
31	Code user input validation	Make sure the user will input is in the correct format and will work	15 min	3/03/23	C
32	Test program and	To create a	20 min	3/04/23	C

	debug issues	functioning program so far			
33	Configure csv file	To accept input	1 hour	3/06/23	C
34	Test program and debug issues	Ensure program is functioning correctly and address any bugs	20 min	3/07/23	C
35	Add additional plant information to database	Populate database with additional information on plants	30 min	3/07/23	C
36	Create readPlantsFromCsvFile	Allow the program to parse through the csv	45 min	3/08/23	C
37	Test program and debug issues	Ensure program is functioning correctly and address any bugs	20 min	3/08/23	C
38	Write program documentation	Complete criterion C for the plant features	1 hour	3/09/23	C
39	Create basic code for the Plant class	Have a functioning plant class with getters	20 minutes	3/09/23	C
40	Create WaterCalculator class with getters	Have a functioning plant class with getters	10 minutes	3/09/23	C
41	Create calculateWaterUsage ,calculateWaterSavingsPercent, calculateWaterSavingsGallons methods	Allow the program to calculate the water usage variables for a given garden	40 min	3/09/23	C
42	Start selectPlants method in the Garden class	Implement algorithm to select recommended plants	25 min	3/09/23	C
43	Create isCompatibleWith method in the Garden class	Implement algorithm to check if plants are compatible with the existing plant types	30 min	3/09/23	C

44	Finish selectPlants method	Implement algorithm to select recommended plants	1 hour	3/09/23	C
45	Create getTotalCostOfPlants method in the Garden class	Allow the program to calculate the total cost of plants	20 min	3/10/23	C
46	Create getCO2Sequestered method in the Garden class	Allow the program to calculate the total CO2 sequestered	20 min	3/10/23	C
47	Create getGardenRecommendations method in the Garden class	Create recommendations for the user under the report	40 min	3/11/23	C
48	Create createMaintenanceSchedule method in the Garden class	Allow the user to see a maintenance schedule in the report	25 min	3/12/23	C
49	Create listPlantNames method in the Garden class	Allow the user to see the their recommended plants from the selectPlants method	30 min	3/13/23	C
50	Implement the Garden class in the Main class	Put together all the other methods to display the output to the user	2 hours	3/14/23	C
51	Test program and debug issues	Ensure program is functioning correctly and address any bugs	30 min	3/14/23	C
52	Delete the implementations in the Main class	Make the program more efficient and the code more readable	5 min	3/14/23	C
53	Create generateReport method	Put together all the other methods to display the output to	1 hour	3/15/23	C

		the user in a more streamlined way			
54	Meet with client	Run program to see if it is good and has met the success criterion	15 min	3/14/23	E
55	Complete Criterion E	Complete Criterion E	2 hours	3/16/23	E
56	Record Criterion D Video	Complete Criterion D	1 hour	3/17/23	D
57	Finalize project	Make sure IA is ready to be submitted	30 min	3/18/23	All