

Criterion B: Record of tasks

| Task number | Planned action | Planned outcome | Time estimated | Target completion date | Criterion |
|-------------|--|---|----------------|------------------------------|-----------|
| 1 | talk with different acquaintances to see if anyone has a software need. | Identify an appropriate client. | 2 weeks | May 14 th , 2023 | A |
| 2 | Conduct initial interview from identified client | Understand details of the client's problem and see how it can be addressed. | 1 week | May 24 th , 2023 | A |
| 3 | Write the Criterion A file and send it to my IA supervisor | Have criterion A be completed and the rationale approved by supervisor. | 1 week | May 31 st , 2023 | A |
| 4 | Conduct second interview with Client | address further details and/or further questions which arise when thinking of solution strategy | 1 week | June 5 th , 2023 | A |
| 5 | Research different optimization algorithms and methods of solving this problem | Have an outline or general plan for approaching the problem. | 2 weeks | July 1 st , 2023 | B, C |
| 6 | Learn details about Genetic Algorithms and JavaFX | Know the necessary implementation details of Genetic Algorithms and JavaFX GUI Framework | 3 weeks. | July 23 rd , 2023 | B, C |
| 7 | Create GUI prototype designs and confirm with Client | Have a rough overview of the product UI and gather feedback from client. | 1 week | July 30 th , 2023 | B |

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| 8 | Create flowcharts, UML diagrams, and file structure | Complete the Criterion B file | 3 weeks | August 20 th , 2023 | B |
| 9 | Create GUI windows with scene builder | Have the GUI and basic file structure created | 1 week | December 5 th , 2023 | C |
| 10 | Populate the data file with aliments | Have a data file with a high number of aliments | 1 week | December 13 th , 2023 | C |
| 11 | Code, test, and debug the genetic algorithm using console | Have the complete genetic algorithm which works | 3 weeks | January 1 st , 2024 | C |
| 12 | Code the GUI event handlers and controllers | Have the GUI be functional and connected to the genetic algorithm | 1 week | January 9 th , 2024 | C |
| 13 | Code the diet file read/write functionality, and print to PDF functionality | Have the File Manager Package complete | 1 week | January 17 th , 2024 | C |
| 14 | Refactor code and write Criterion C document | Have completed Criterion C | 1 week | January 25 th , 2024 | C |
| 15 | Set up program on Client's device | Let the Client use and test the product. | 1 week | February 1 st , 2024 | E |
| 16 | Set meeting with Client | Gather feedback from Client about the finished product | 1 week | February 16 th , 2024 | E |
| 17 | Write product evaluation | Have the Criterion E file complete | 2 days | February 25 th , 2024 | E |
| 18 | Record and edit video | Have the Criterion D video complete | 1 week | March 6 th , 2024 | D |