# Criterion B: Record of tasks

| Task number | Planned action | Planned outcome | Time estimated | Target completion date | Criterion |
|---|---|---|---|---|---|
| 1 | Find a client. | Sent emails to potential clients. Introducing the project and what their role would be as a client. | 0.75 | February 2, 2023 | A |
| 2 | Talk to Mr. Howard, the client about the problem. | Discussed with Mr. Howard what the problem is. And what requirements a solution must have. | 1 | February 4, 2023 | A |
| 3 | Write documentation on scenario. | Wrote down the scenario and what the problem is. | 1 | February 4, 2023 | A |
| 4 | Write the remaining portions of Criterion A. Add solution and success criteria. | Completed the Criterion A documentation, adding the solution, rationale, and success criteria. | 1 | February 5, 2023 | A |
| 5 | Research into Azure Kubernetes Service. And how you can create and host microservices. | Read through documentation about AKS. Also learned about compatibility with other platforms. | .75 | February 6, 2023 | B |
| 6 | Add initial client consultations. | Created Appendix document and added initial consultations with client. | 1 | February 8, 2023 | Appendix |

| 7 | Continue working on Criterion B. | Added algorithms and data structures that I plan to use. | .75 | February 9, 2023 | B |
|---|---|---|---|---|---|
| 8 | Continue working on methodology/ design overview. | Created Flowchart for user flow and created a preliminary test plan. | .75 | February 12, 2023 | B |
| 9 | Create class diagram and user flow mockups. | Created UML diagram with desired classes. | .75 | February 13, 2023 | B |
| 10 | Find which API to use. | Found potential AP that I can use by Amazon | 1 | February 15, 2023 | C |
| 11 | Contact developer team for BestBuy. | Emailed to ask about whether students are allowed to use their API. | .75 | February 15, 2023 | C |
| 12 | Contact client about API situation. | Got idea about what APIs to use. | 0.5 | February 19, 2023 | C |
| 13 | Setup Firebase. | Added flutter app. Still having issues connecting. | 1.5 | February 27, 2023 | C |
| 14 | Fix Firebase connection to web app. | Fixed the issue with Firebase. | .75 | March 1, 2023 | C |
| 15 | Create some UI mockups. | Created mockups and shared them with advisor. | .75 | March 1, 2023 | C |
| 16 | Code Login UI. | Coded login and part of SignUp UI pages. | 0.75 | March 1, 2023 | C |
| 17 | Add advisor and client interactions. | Added interactions with client and advisor. | 0.75 | March 3, 2023 | Appendix |

| 18 | Route through different pages. | Created route for user | 1 | March 4, 2023 | C |
|---|---|---|---|---|---|
| 19 | Route through all the screens. | Created MainMenu but routing didn't work. | 0.75 | March 6, 2023 | C |
| 20 | Create SignUp Page and Login Authentication. | Created register method and hooked it up to SignUp page. | 1 | March 6, 2023 | C |
| 21 | Create Login Page Authentication. | Created loginUser method and fixed Firebase Auth. | 0.75 | March 6, 2023 | C |
| 22 | Navigate between the Login, SignUp and MainMenu. | Used navigator to route between screens. | 1 | March 7, 2023 | C |
| 23 | Navigate between different screens. | Fixed navigator and moved routes to constants. | 1 | March 7, 2023 | C |
| 24 | Update Criterion B with latest design algorithm. | Updated Criterion B. | 0.75 | March 8, 2023 | B |
| 25 | Create factory methods that parse JSON. | Created first factory method call. | 1 | March 9, 2023 | C |
| 26 | Created factory methods that parse JSON into product data. | Scrapped the factory methods. | 1 | March 9, 2023 | C |
| 27 | Update Criterion B and C. | Updated Criterion B and C. | 1 | March 10, 2023 | B/C |
| 28 | Retrieve data with Rainforest API for Amazon. | Created appendSearch method that creates the url for the http call. | 1 | March 10, 2023 | C |

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|---|---|---|---|---|---|
| 29 | Make the HTTP call and retrieve data. | Made fetchFromAPI method but it doesn't work. | 1 | March 13, 2023 | C |
| 30 | Fix the fetchFromAPI method. | Fixed the method and API key link for searching API. | 1.5 | March 15, 2023 | C |
| 31 | Create method to display products in hierarchy. | Started creating ascending order sorting. | .75 | March 15, 2023 | C |
| 32 | Tried to create bubble sort. | Broke the method now both APIs don't work with sort. | .75 | March 16, 2023 | C |
| 33 | Try to create bubble sort. | Successfully created recursive bubble sort method that sorts products in ascending order by price. | 1.5 | March 16, 2023 | C |
| 34 | Update Criterion C to reflect new changes. | Updated Criterion C. | 0.75 | March 16, 2023 | C |
| 335 | Fix images to show in the list view instead of container. | Still need to fix the Images to show without cutoff. | 0.75 | March 17, 2023 | C |
| 36 | Get images to show in list view without overflow. | Got images to show without error. | 1 | March 17, 2023 | C |
| 37 | Upgrade UI. Make product link pressable. | Made UI look slightly better and fixed the issue with both APIs not running. | 1 | March 18th 2023 | C |

| 38 | Work on Criterion E. | Finished 3/4$^{th}$ of the success criteria evaluation. | 1 | | March 18, 2023 | E |
|---|---|---|---|---|---|---|
| 39 | Film Criterion D Video. | Finish Filming Demo. | 1 | | March 18, 2023 | D |
| 40 | Update design documents to reflect new changes. | Updated design documents to reflect current state of the app. | 1 | | March 19, 2023 | B |
| 41 | Finish Criterion E and Submit IA. | Completed Criterion E. | 1 | | March 19,2023 | E |
| 42 | Check and Submit IA. | Submitted IA. | 1 | | March 20, 2023 | A-E |

**Total Time: 38.75** Hours