

Criterion B: Record of Tasks

| Task Number | Planned Action | Planned Outcome | Time Estimated | Target Completion Date | Criterion |
|-------------|--|--|----------------|------------------------|-----------|
| 1 | First consultation with client. | Discussed general details and functionality of a software solution. | 30 minutes | March 12, 2023 | A |
| 2 | Check feasibility with advisor. | Confirm that proposed solution is technically feasible. | 10 minutes | March 15, 2023 | A |
| 3 | Research and choose technologies for developing solution. | Have chosen programming language, IDE, database framework, and additional libraries required. | 3 weeks | April 7, 2023 | A |
| 4 | Finish creating success criteria. | Have written down 6-8 success criteria for the project, based on interview with client. | 5 days | April 14, 2023 | A |
| 5 | Learn and work with Core Data on small projects. | Have gotten accustomed to working with Core Data to manage persistent storage on iPhone. | 1 month | May 15, 2023 | B |
| 6 | Learn and work with UIKit programmatically (will allow precise customization). | Have gotten accustomed to working with UIKit programmatically rather than relying on Storyboard. | 2 weeks | May 30, 2023 | B |
| 7 | Learn and work with DGCharts on small projects. | Have gotten accustomed to using DGCharts to create charts in iOS applications given sets of numerical data. | 2 weeks | June 12, 2023 | B |
| 8 | Create database schema. | Have knowledge of how the relational database will have to be made. | 3 days | June 15, 2023 | B |
| 9 | Make wireframe diagrams of all app screens and additional views. | Made visual mockup of different screens and how the user will trigger other screens and navigate the app. | 3 days | June 19, 2023 | B |
| 10 | Make flowchart diagrams for complex algorithms. | Found the most complex algorithms required in the app, and created a visual representation to help in development | 1 week | June 27, 2023 | B |
| 11 | Create testing plan for product. | Created testing methods to make sure final product runs properly and meets success criteria. | 2 days | July 1, 2023 | B |
| 12 | Create Home screen title and budget counter basic UI. | The location for title and budget counter has been decided, and these texts are visible. | 3 days | July 5, 2023 | C |
| 13 | Create dropdown menu for title text in home screen. | Title can be clicked to trigger dropdown from Daily, Monthly and Yearly. When clicked the title text and color of budget counter change. | 1 week | July 13, 2023 | C |

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| 14 | Create and arrange category buttons. | Class created for category buttons, when a button is clicked the category assigned to that button can be printed. | 1 week | July 21, 2023 | C |
| 15 | Create setup Core Data and create database entities. | Able to store data on device, and able to access data after application. | 1 week | August 1, 2023 | C |
| 16 | Create the add expenditure view. | When a category button is clicked, user is presented with a textbox and “+” button. | 1 week | August 9, 2023 | C |
| 17 | Allow users to add expenditures. | When the “+” button is clicked, the value in the text field as well, the category selected, and the current date and time should be recorded in the form of an expenditure in the database. | 4 days | August 14, 2023 | C |
| 18 | Create edit daily budget view. | Users should be able to click the 9 th button in the bottom of the home screen to show the edit daily budget view. | 2 days | August 17, 2023 | C |
| 19 | Allow users to edit their daily budget. | When users click the “+” button in the edit daily budget view, the app reads the value in the text field and sets that as the users’ new daily budget. Allow only positive numbers and ignore an input of nothing. | 4 days | August 22, 2023 | C |
| 20 | Using flowchart create function that updates the budget shown on home screen. | When users add an expenditure, or select a different time range from the dropdown view change the number displayed on the home screen to match. | 5 days | August 30, 2023 | C |
| 21 | Create table view for all expenditures. | Create a view where users can see information about all expenditures, with expenditures sorted chronologically, when the user swipes right. | 1 week | September 10, 2023 | C |
| 22 | Using flowchart, create analytics view. | Create a view shown when the user swipes left that displays 6 charts with the analytics about spending shown in wireframe. | 2 weeks | September 28, 2023 | C |
| 23 | Improve UI design and colors. | Updated visual appeal to a level that will satisfy Daniel. | 3 days | October 1, 2023 | B |
| 24 | Get feedback from client. | Demonstrated first version of product to receive feedback. | 30 minutes | October 2, 2023 | C |

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| 25 | Update application according to feedback received. | Have updated the application to the client's requirements based on feedback obtained. | 5 days | October 9, 2023 | C |
| 26 | Install on client's iPhone. | Install mobile application on client's iPhone and ensure it can run successfully. | 1 hour | October 11, 2023 | E |
| 27 | Obtain final feedback from client. | Made, sent, and received a questionnaire from client regarding his experience with final product. | 1 day | October 12, 2023 | E |