

## Criterion E: Evaluation

### Evaluation

A (SurveyMonkey) form was sent the client<sup>1</sup> and its results are summarized in the table below.

Success Criterion	Met	Feedback
1	Yes	“The buttons are actually right in the home screen, there's very little effort in adding expenditures. However, the app is lacking the ability to type in decimal numbers. I can edit my budget easily.”
2	Yes	“Yes, I can see the amount, date, and category for all the spendings I log, and there are 8 categories. Something I realized now that would be nice would be to be able to write a note for every expenditure, that way I know exactly why I spent that money.”
3	Yes	“Yes! Exactly the way I asked, the expenditures are shown chronologically.”
4	Yes	“Yes, the app updates the number properly when I change the values.”
5	Yes	“Yes, the app shows me my spending over/under budget. But it acts as if I didn't spend anything for the 10 days, if I just downloaded the app, then I would rather it say ‘no data’ than assume.”
6	Yes	“Yes, there are very nice line charts accurately showing this information. But when there is few data, the total spending chart is just blank, maybe you can add a ‘no data’ message.”
7	Yes	“Yes, there are pie charts with this information. However, again, when there is no data it does not display a ‘no data’ message which would be nice.”

---

<sup>1</sup> See appendix B

## Recommendation

Overall, as shown by the conversation with my client<sup>2</sup>, he was very satisfied with the final product. Nevertheless, he pointed out somethings that could be improved:

- **Decimal Input:** the client mentioned that while it isn't necessary, being able to specify the cost of some items exactly (including cents) was helpful. This could be done by changing the keyboard type to let the user type decimal points and accepting type Double instead of Int for the database and data management.
- **No Data Sign:** currently the charts were blank in the app when the client first started using it, making it seem as if there is an error. Adding a "No Data" sign would fix this issue. This would require monitoring the size of the data before the creation of graphs and if the data is below a certain size, depending on the graph, replacing that chart with a label.

The client also mentioned new functionality that could be added:

- **Logging Notes:** if the client was able to add a short note to each expenditure, it would help him understand each expenditure he made even more. This could be done by adding a property of type String to the expenditure entity in the database which can be an empty string by default, adding another text field in the add expenditure view, and adding a button to view the notes for each expenditure.

---

<sup>2</sup> See Appendix C

- **Re-arranging Analytics Screen:** to cater to the needs of each user, the client said the app should let users arrange the charts in the Analytics screen. This functionality would be straightforward to implement, as each graph is created in the form of a function and organized in an easy to re-organize list.

**Word Count: 350**