Requirements

1. The system should allow the user to add new expenses and keep track of those expenses.
2. The system should record the date and time of expenses.
3. The system should save pictures, audios, locations or/and texts for specific expenses.
4. The system should be able to extract data from the memory and analyze it.
5. The system should provide charts.
6. The system should provide multiple accounts management function.
7. The system should provide different UIs for different account types.
8. The system should provide a view where users can scroll down to see their history.
9. The system should support PDF generation.
10. The system should send the user his/her spending analysis through email/ Dropbox.
11. The system should provide budget setting.
12. The system should allow user to specify their income.
13. The system should allow the user to set a goal of their saving.
14. The system should allow the user to set a his/her upcoming(fixed) payment.
15. The system should be able to alert the user.
16. The system should show the total expense of the user in a period of time.
17. The system should provide a calendar date picker to allow the user to add a new expense to a past date.
18. The system should allow user to track their bank upcoming payments.
19. The system should have the average living cost of a day/week/month
20. The system could be password protected.
21. The system should potentially collect data from users and send it back to developers.
22. The system shouldn’t do math on double/ float.
23. The system should present money as $xK while the expense is bigger than $100000?
24. The system should have several arrays where each number in the field is smaller than

8 digits. While performing 1.00+ 0.10, it should do (1\*100+0.10\*100)/100.

1. The system should always take expense inputs as float/double with a format $.$$.
2. The system should compress the picture/ audio before storing.

Nonfunctional requirement:

1. The report generation should be fast.
2. The photo compress should be fast.
3. The Email should be safe.
4. Users should be able to find their passwords if they forget them.
5. The report should be in a proper size.
6. Add a new expense should be easy.
7. Fixed payment should be generated automatically.
8. The code should be portable.
9. The code should be done in C++ except the interface part which is a big part of this app.
10. The app could potentially have language choices which will be done in swift.