

CRITERION A: PLANNING

SCENARIO:

My client for my project is my brother Amaar Khan, and my Advisor for my IA is my dad Asif Khan. The problem I am addressing is my client's problem with keeping track of his homework. My client's current solution is keeping most of his work on paper and has tried different online solutions including *Microsoft to-do* and *Homework Pal* but has failed to find the personalization and desired results that he is seeking. He has also complained that carrying a separate notebook with him everywhere has made it far more inconvenient compared to tracking digitally as he mainly relies on uses his laptop and phone as his school has moved to digital assignments. With respect to my first consultation with my client the following features are requested:

1. Be able to keep track of all homework assignments.
2. Separate assignments items by class
3. Able to add tasks quickly and efficiently replace the need for a paper planner.

Evidence of my consultation can be seen in **Appendix B Part 1 and Appendix B Part 2**

The main takeaway of my client's problem is the following (problem): Client wants ability to effectively track homework assignments, while having easy to follow organization.

RATIONALE:

Solution: My solution to my client's problem is to create an iOS app to effectively allow my client to keep track of homework assignments. This app will be based off the requests of my client and will be easy to understand to avoid clutter and confusion when tracking assignments and allow for easy organization.

I believe that this is the best solution for my client as it would eliminate his current need for analog tracking and allow him to keep everything digital as he as stated in our initial consultation (Appendix B Part 2). He furthered this idea with the fact that his school has moved to a digital approach to assignments, and it is highly inconvenient compared to constantly must switch between his laptop/phone and a notebook. I also believe that this will be a good IA project for me as I have the basics of Flutter and Dart down, however an app like this would allowing me to leverage my learning of HL with the implementation of additional data storage and new data structures. This will allow me to focus on more backend with Firebase, and how security concerns are addressed and storing more complex data types then I have previously interacted with. My product will also be able to be effectively expanded if my client were to request additional features due to the workflow of flutter where apps are quite simple to scale up.

Word Count: 525

SUCCESS CRITERIA:

1. User should be able to add assignments into app.
2. App should be able to handle errors with empty fields and ensure user has entered all details of the assignment before continuing with the next step.
3. UI should be easy to navigate to ensure that user does not have problems with finding or interacting with current and previous assignments.
4. Load time and fetching assignments should have minimal delay (> 2 seconds) to ensure that user experience isn't sacrificed.
5. User should be able to create accounts with email and password. In addition, password must have strength requirements to ensure security and validity of data.
6. User can add different classes into the app and add assignments to those desired classes.
7. User can delete classes and their data.

Proof of Consultation can be seen in Appendix B Part 3 (B.3).