

## Criterion A - Planning

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## Defining the problem

**The client Ms. Zara is a second-year law student** who struggles with organizing and managing legal resources and study materials. Law students alike need to analyze numerous case laws, statutes, and legal articles throughout their academic journey. Their aim is to efficiently locate and organize relevant legal precedents while effectively managing their study time and deadlines.

However, it is a struggle to find and organize relevant legal resources and Ms. A wants to ensure that she can access and organize the best possible resources for her studies.(refer to appendix A - initial interaction)

Currently, law students rely on general-purpose applications to store and organize their study materials.(refer to appendix A - initial interaction) However, this is a time-consuming and difficult task for students, especially if they don't have much experience in finding specialized legal resources.

This problem of finding and organizing relevant legal resources is a major challenge for law students, as it affects the quality of their academic performance. The current manual system of using general-purpose applications and relying on class group chats is inadequate and time-consuming, leading to student frustration and potential academic underperformance

Additionally, as the semester progresses, students struggle with managing multiple assignments, case briefs, and exam preparations. The problem is particularly challenging when students need to estimate the time required for topics they don't fully understand, making prioritization difficult.

To solve this problem, a specialized digital application for law students to efficiently find, organize, and manage legal resources while providing tools for deadline management and study prioritization would be beneficial(refer to appendix A - initial interaction)

**Rational :**

## Success Criteria

- Product will find legal resources by **meaning**, not just keywords, understanding legal synonyms and context
- Product will have automatic case brief generation, summarizing lengthy case texts into: Facts,Issues,Holdings/Decisions,Legal reasoning and key principles
- Product will highlight core concepts for fast review
- Product will have automatic case/statute tagging: Classifies legal content into relevant categories (e.g : contract law, tort law), will have accurate filtering and organization
- Product will have a priority-based task manager: Ranking assignments by due date, weight, and urgency, Categorising tasks (e.g., reading, briefs, quizzes) will include a visual dashboard and progress tracking.
- Product will include study insights with Personalized study reports: Time spent on each legal topic,most-read case law categories,Quiz performance tracking
- Smart revision suggestions: Based on weak quiz areas, time gaps, and deadlines, recommends what to focus on next.

Word count : 141









# Appendix



## **Appendix A - Initial interaction**

Me: Good evening, Ms. A. Thank you for taking the time for this call. I am an IBDP student currently looking for a problem to solve for my computer science internal assessment. I was hoping to get a better understanding of your studies and the challenges you face as a law student, and how I can help you. Can you tell me more about your experience as a student?

Ms. A: Of course, I am happy to help. For some context, I'm currently in my second year of law school and I am an aspiring commercial lawyer. We study a wide range of legal subjects and spend a significant amount of time reviewing and analysing case law, statutes, and legal articles.

Me: That sounds like a demanding course of study. I imagine that managing all that information and staying organised can be challenging. Can you tell me if this is true and if so, more about the specific difficulties you face?

Ms. A: Yes, that's correct. While we have access to various legal databases and resources, I often struggle with efficiently finding and organizing the relevant case law and statutes. It can be difficult to locate the right legal precedents for specific situations, and we spend a considerable amount of time searching through databases. Instead of being able to focus on understanding the case law, I am forced to spend the bulk of my hours ensuring that I have collated and organised all the information.

Me: To augment my understanding, how do you typically go about finding and organizing the legal resources you need for your studies?

Ms. A: For comprehensive legal research, I usually use some of the established legal databases. However, for everyday study organization and note-taking, we don't have specialized tools designed specifically for law students. Currently, I use a combination of general-purpose applications - I have a OneDrive folder where I store different cases and notes, and I use Microsoft OneNote for organizing my study materials. If I need to find a specific case or statute, I'll search through these applications or post in our year group's discussion forum to ask if anyone has resources on a particular topic. This is a slow process and can be tedious.

Me: That makes sense. I can imagine that it can be difficult for law students, especially if they don't have much experience in utilising specialized legal resources which are useful. How do you typically go about managing deadlines and prioritizing your study time?

Ms. A: That is one of the main issues we have. As the semester progresses, we have multiple assignments, case briefs, and exam preparation to manage, and even simple tasks

like summarizing cases or preparing for class discussions become necessary. The problem is that it can be overwhelming and difficult for students to prioritize effectively on their own. Currently, I use a basic calendar application where I mark important deadlines. If I need to prioritize my study time, I'll manually create to-do lists and try to estimate which topics need more attention. This can also be a problem if my understanding of a topic is not up to the mark which can cause a problem when I estimate how much time I need to dedicate.

Me: I can definitely see how that could be a problem for law students. Thank you for sharing this with me. I have taken note of everything we discussed today. I will be in touch with you soon to further discuss how I can help you solve your problem.

## **Appendix B - Transaction for initial requirements**

Me : Okay, can we discuss your ideas and requirements?

Ms Zara : Yeah, so based on our previous conversation, I gave some thought into what I would like to have as a toolkit for law students. And also, I kind of asked around with my friends. And also, I'm aware of general trends within law students and what kind of things we face issues with. So, for example, one thing that would help me a lot is that, for example, a lot of the existing note-taking apps and note-taking software, you can only really search by keywords and things that you've essentially typed out. But the thing about studying law in the UK is that it's not about a specific case or a specific statute. It's more about the principle of the case. So it would be really helpful to be able to search by theme and to be able to search by meaning and not just a specific keyword. You know, for example, it would be really good if you could kind of develop something to automate a case brief that's generated by these principles. So that would be something that's really helpful.

Me : Okay, are there any special features you're looking for in the app?

Ms Zara : Yeah, so something else that I also think would be really helpful is to have a tool that can give me insights into how I'm studying and how well my understanding has developed based on quizzes. Having a personalized insight would be able to help me, like having a graph or having any kind of visual representation or report showing me how much time I've spent on one topic and how well my understanding has developed on, for example, a principle, that would really be good. Because sometimes as students, it's difficult to know how much you're able to accomplish, how much you're able to understand. So having these reports laid out in front of you, it would be great. And that's something that I think will also help a lot of students.

Maybe even there could be a feature that, you know, once I kind of spend enough time putting in information into this tool, it could generate insights into what I should revise based on what I'm kind of doing the least, what's my least performing task, what's my least performing

subject. So having that would also be really good and help with my exam prep. Something else I think is really helpful or would be really helpful is to have a part of this website or tool or whatever you're building have a task manager that essentially ranks the most high priority Tasks.

And that would be able to help me plan my day and week a lot better. And if maybe this could be integrated with my calendar or with my calendar, that would be really good. So I can see that by this day, I need to have this thing done or what I should be doing this day.

I think there are a lot of websites that do this already, but none that are tailored to my specific needs. So maybe using that, those personalized study insights and those quizzes that I was doing to build this task manager, that would be really, it would be extremely helpful. Something else I think would save a lot of a lot of time would be to, as soon as I enter a case or I enter a statute for it to be able to automatically classify this information, which currently we spend a lot of time doing because we don't have that kind of resource.

So having something that automatically classifies cases or academic commentary that we need to use for essays as arguments or statutes, any kind of thing that I enter, if it's able to be categorized in terms of the subject, for example, in tort law, what are these arguments? Can can they be characterized into this folder? And that's just going to save a lot of time because Currently I'm having to download and save all of these things and manually input them. And it just takes a lot of time. And, you know, it's all about being efficient.

And I think this kind of all these kind of things, right, like the personalized study insights, the assignment tracker, this automatic classification of all the information I'm putting in and being able to search by a theme and not necessarily by keyword. I think these kind of things would go a long way and helping me prepare better for my exams and also just helping me understand things are a lot better. I think also maybe this is just some food for thought, but of course, AI is the

big thing now and every organization is trying to integrate.

Yeah, so these kind of things were these features would really go a long way in terms of my preparation for my exams. And I would love to see something like this in my app store.

Tab 3

Once launched : ai legal chatbot - and collaboration mode, quizzing  
Ai legal tool - descriptive vs analytical

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