

## Criterion A → Planning

### **Problem statement:**

My mom feels difficulty and languid about tracking other family member's schedule and thinking a menu for dinner.

### **Description of Scenario:**

My mom is a busy women who needs to do house work for family, including accompany of the event for other family members. In order to accompany those events, it is crucial for her to keep track on the other family member's schedule, so she currently compiling the schedule by talking directly with each member and taking notes on her diary.<sup>1</sup>

However, this process is inefficient due to the time consumption, and also languid to her.<sup>2</sup> Each family member moves randomly and irregularly, so she do need to update her ToDos continuously by talking to each family members.<sup>3</sup> This process takes massive amount of time, and this does make her feel depressed or languid sometimes. She also feel languid if she could not follow the schedule and prepare well for those.<sup>4</sup> In order to solve this problem, she needs some other methods to gather and manage family ToDos.

### **Rationale for the Proposed Product:**

In this scenario, the client wants to deal with the following information which are dynamic and comes from several places; family member name, date and task.<sup>5</sup> The compilation of dynamic information or data is what computer basically do as a nature, and due to the high frequency of client for using computer, the computational approach is a best option to approach this situation.<sup>6</sup> Due to the purpose of ToDo management, system is required with high visual accessibility, so it is better to use the method of Graphical User Interface (GUI). Also, for this product, GUI will be made up with Java language. In order to make this system work broadly, Java can be used in any platform with high accessibility due to its own virtual machine (Java Virtual Machine), so Java is a best language in this case to use.

Word Count: 306

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First introductory interview with client:

1. How often are you sitting front of computer (laptop/desktop)?
  - Around 2 to 3 hours per day.
2. How long are you sitting front at computer per day?

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<sup>1</sup> First introductory interview with client, Question 4

<sup>2</sup> First introductory interview with client, Question 4

<sup>3</sup> First introductory interview with client, Question 5

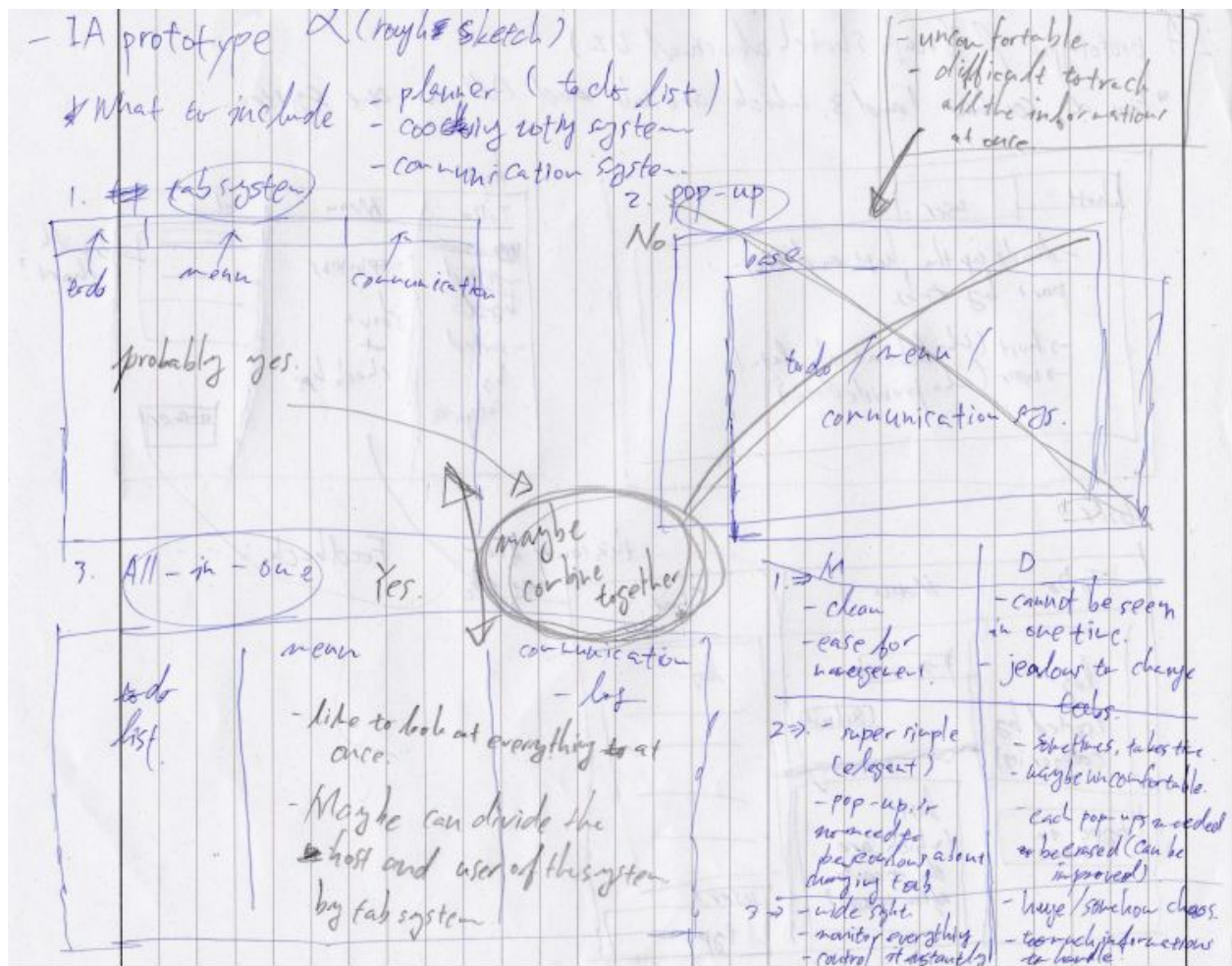
<sup>4</sup> First introductory interview with client, Question 6

<sup>5</sup> First introductory interview with client, Question 7

<sup>6</sup> First introductory interview with client, Question 1 and 2

- Previously answered.
3. What is your usual role (or what are you responsible for) in family?
- Housewife.
    - Basically responsible for all the house works, especially for cooking, washing, and cleaning.
4. What are some distress you are feeling right now in that role?
- It is distress to know family member's plan. Especially some of them requires my help or accompany.
5. How often do you feel those distress?
- Almost everyday. Because my plan managing skill is imperfect and that often causes significant problem. Also, every family member has different business, so I need to continuously update my ToDos.
6. What point do you think that this family has not functionally works?
- Even my management skill is imperfect, due to the busyness of family members, sometimes it is too difficult to keep track on everyone's schedules. As I said, what will happen is that because I do not know individual's todo or schedules, I often cannot prepare for those events. For example, my daughter has an irregular schedule due to the school's special activities, and sometimes she needs lunch for it, which usually do not needed for those special events. However, because I could not keep track on it, I didn't prepare for it so I immediately bought some lunch in supermarket for daughter, which should not likely to happen.
7. From the previous answers, what kind of informations do you think helps you?
- I think ToDo list or table with; family member name, date, and task would help me to track on all the events happening after.
8. Do you think it is better to integrate all the informations at one particular place?
- Definitely yes.
9. Why / Why not?
- Because it is much convenient to access those informations rather than separating in different places.
10. Do you have any points to add for the new application?
- I think it might be better to have some recommendation gimmick. This can be limited to the house work but sometimes I'm so tired and working too much for housekeeping, so I would like to have some help from others. However, because other family members do not have their role and want to rest as well, they do not work so much for housekeeping. Thus, I would like to let the program to assign task to every members by recommending it.
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## Prototype of the Product:



## Criteria for Success:

- Show up all the information needed (Name, Date, Task) in table
- Can sort and search by both name and task
- Can restore list
- Show the list of family member
- Dynamically add / delete task and people
- Output the recommendation
- Show popup for error notification
- All the error messages will be shown at the time when user released the button.
- Simple, but clear label which guides what to input.
- Divide up statistics and ToDo list part by tabs
- Add people and task by popup
- Guideline shown up by help button