

How often do you have to make big decisions involving big risks that can potentially change your life? Everyone makes dozens of decisions unconsciously just on a day to day basis, e.g Should I drink water or a soda?, Which train should I take due to delays on my usual route?, etc. While these small decisions are decided in that moment, there are other decisions that trickle down that affect multiple aspects of your life,

Let's create a scenario, imagine a family household consists of working parents and a child that attends school. The mother was given a choice by her company to be let go or relocate to a remote location to keep her job. The decision she makes result in the family inheriting new problems if she decides to relocate : the father would need to look for a new job, children would need to change schools and the mother also would need to support the family until the family income stabilizes. If the mother decides to be let go, she would minimize the collateral damage as the father can continue working at his current job, perhaps temporarily add assistance with the income but the children can stay at their current school.

These complex decisions can trickle on to multiple factors that can change and affect everyone involved differently. You commonly see people write pros & cons lists and venn diagrams to help with their difficult decisions. I'd like to propose a decision maker application to help improve making decisions but different from other similar applications that are out there already. Most of the other applications simply found on a google search work of a random generator to select a choice, mine would work of a simple calculation sort of a like a pros and cons list. A user would be able to declare a winning value on a choice/record which results into a winning choice and to a decision.

To ensure a higher chance of success in a real world project, I've attempted apply things I've learned SMAC, however, creating a functional application would be my first priority. I don't think I need to explain where the oracle DBMS will be implemented as it will be apparent as you read on, and I expect to use the list interface, but not set on which type of arrays (probably an arraylist) will be sufficient and efficient until I start coding this project. The Decision Maker or "DM", would allow users to create a fresh blank template and input values.

Choices:

Sports Car	Minivan
1. Fast	1. Slow
2. Dangerous	2. Safer
3. Fits 2 passengers	3. Fits 7 Passengers

4. Expensive	5. Affordable
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After inputting data, user's can selectively decide on which record choice would be preferred over the other. The records can be arranged to a different index during post input of values. Users would have the function to comment out or mute the record. When finished the application would automatically calculate a percentile based on the number of details and winning details. Once the decision making button has been clicked, the overall scores would be displayed along with the winner. Users would allowed to register so that their Decisions can be saved, shared and modified for the future. A few quick templates would be available and as we progress more quick templates will be added for users to use/modify and even save their own templates for future use.

*Other functionalities not visually shown but will be included are :

- check boxes or users can click on the details to indicate pros.
- Calculate button on the bottom.

Future features I would like to implement if there is enough time :

1. An individual point system for each detail a user can increment or decrement records to give it more value other the records. Users, would be able to click on a "+" or "-" to change the modify the value of that decision(hashmap would be an interesting approach). Overall calculation will consider the change of values and calculate accordingly.
2. Auto generating Bar graphs, circle graphs for the calculation results. (probably will not be able to implement on time)
3. Home page would show recent decisions made by other users.

