Feedback:

1. Project Management (10):

The project management is good in general.

2. Customer Problem Statement (9):

I am afraid that you are not well prepared to start this project. To start with this project you should get to know if there is existing work and more importantly learn how other people finish this project. The reason I address this is that I found many problem in the project statement.

First, to search the result in a name list stored in a sheet, the fastest way may not be using the breadth first search but using the harsh map. If you learn the algorithm you may found that if you go through all the item the execution time is O(N). If you use a tree structure, you will need the execution time O(logN). However, if you build the harshmap for the key, here the key is the name of the book, you will get the result in a constant time. The reason is that the system first compare the name and store them in a dictionary. For example, the simplest way is that, storing the length of the name, store the sum of the name. Make the two value as the two coordinates of a matrix. Store the name of the book in the matrix at the location decided by the length of the name and the sum of the name. So, every time you search a name, the system will calculate the length of the name and the sum of the name. Then, the system will go to the name matrix with the two coordinates. As you can see, you can find the name in a constant time.

Second for the second paragraph, the misspelling and gramma mistake could be solved by using NLP algorithm (natural language processing). This NLP techniq is very popular today and you should considering to use it.

The third question is the fourth paragraph, which discusses the control over children. However, in this project you should also discuss the method to verify if the user is children.

Overall, I think you should read other existing work first to get a better understanding the best solution here. For example, the recommendation algorithm.

3. System Requirements (6):

I think the actors and goals should be discussed in the later part (the domain part).

Req-1: it’s hard to define a optimized time.

Req-2: why not hash map?

Req-7: Not clear. Why only the last one?

Req-8: How? Not specific.

Req-10: list the rules for point as Req-11

Req-12 not quite clear. What tier?

For nonfunctional requirement:

Req-1: why not real-time. The manager should update the database every time there is new books right? And the result should be updated immediately.

Req-9 is hard to evaluate.

Req-10: is hard to measure and evaluate.

Req-11: I think this is the basic requirement

4. Functional Requirements (30):

The use case analysis is so simple here, comparing to the requirement discussion in the previous part. At the very beginning, you mentioned about the control over children. But there is no children use case. Also, is this web site requires no login? If you do not register how the system recognize a new user? If there is no account, then you can not identify each user and so, you can not build the sheet for each user.

I am very confused about the case 4. Based on the general description which is evaluate recommendations, I think there should be a measurement and evaluation. However, I think the explanation is not consistent with this.

In the diagram you can find your use case diagram is so simple. Where is the administrator? Where is the bookstore owner? You should revise this part in your final report.

In your system sequence diagram, you should not use the real book name such as “Harry potter”. In fact, you could directly use Book A.

The second problem about this diagram is that I do not understand why you want to use one diagram to represent two use cases. Also this diagram should finish after one use case ends. Now, your diagram means, the use search a book and select and then he get more books and finally the user selects a displayed book. However, it is possible that the user only select the one the user search and ignore the rest.

5. User Interface (15):

The user interface itself in this project is very simple based on the assumption for the functionality of this system. However, there are some parts that could be improved. The first thing is the workflow. You show the figures of the UI. And also, you should label the whole flow, something like where you click, what you type and then where you go.

The navigation path through the screens is unclear.

And worst-case scenarios for estimating the user effort are not considered

6. Domain Model (25):

The domain model is not well defined. I think, just as the database, the user and so on could be added.

Second, the description for each domain should also be in the box for better understanding.

For 4.3.1 I think the searchbox is not properit here and you can change it to search dengine.

In 4.3.3, the attribute is not well discussed here. The attributs should followed with the operation or actions

7. Plan of Work (5):

After finishing the report 1, I think you should understand the project well and know what to do. Also based on the requirement, use case (the analysis you made in this report), you should be able to divide the project into different part and assignee the jobs to each members in your team. However, I think your plan of work is very general. This may not be good for your teamwork. The current situation means you guys do not know specifically what is your part and how your part work with other parts.

No work breakdown and the contribution of this report.

Please read the slides again to estimate the project size.

8. References (round 5):

Reference are in wrong format