



COMP704 Research and Development Project

VN01 3D acupuncture healthcare data management and treatment system

Acceptance Testing Results Report

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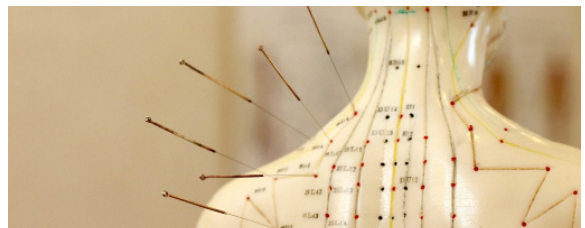


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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

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2. DOCUMENT SIGN-OFF

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3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
1.0	16 May 2023 02:36	Summary the final result of Acceptance Testing, after collecting the feedback on Version 3.0 from the medical university students.	Nhan Nguyen Cao (21142377)

I. ACCEPTANCE TESTING METHOD

To perform the Acceptance Testing about our final version of the system (Version 3.0), we followed the similar method as the following user feedback collection. We created a Google Forms survey and sent to the group of 5 medical university students, who were involved during our project as the main users. The purpose of the survey was to collect the general evaluation about the features and interface, as well as detailed evaluation about the different features. From the points given, we would conclude whether the users accepted the features or not.

The questions included in our survey can be referenced in the “User Feedback on Version 3.0 questions.pdf” file.

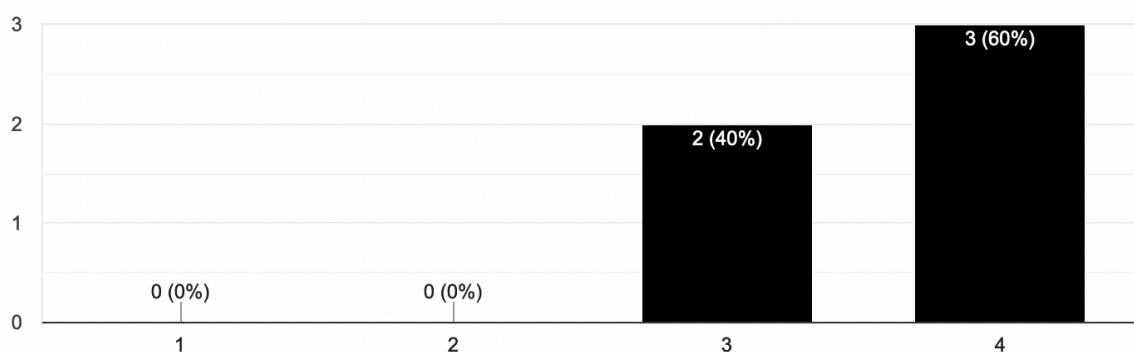
II. GENERAL EXPERIENCE EVALUATION

- When being asked to tell the general experience after using our website, the five students gave different evaluation. Most of them felt that our website is good, effective and easy to use. However, there were some feedback mentioned that there were still some weak points of our website that could be developed further in the future.
- About the efficiency and ease to use all of the features provided by our website, we received 2 evaluations rated 3 / 4 (satisfactory), while the 3 remaining evaluations all gave the point of 4 / 4 (very satisfactory). The average point of **3.6 / 4** suggested that our product did provide an efficient method to reach and use the features. We considered it a good evaluation.



Anh/chị hãy đánh giá mức độ **thuận tiện thao tác** nói chung của sản phẩm ?

5 responses

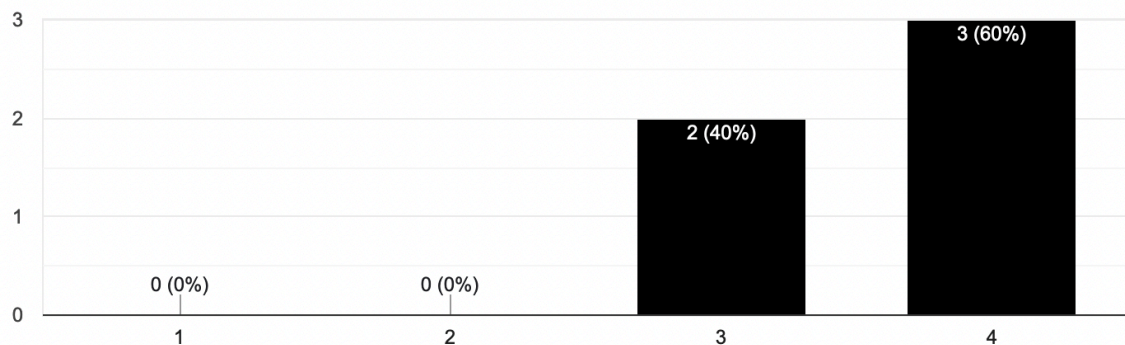


- We also received an average point of **3.6 / 4** for the User Interface in general. Despite not being the highest average point, the given mean point felt in the area of satisfactory. However, it recommended that a minor fix in design to be more modern could help the website better welcomed by the users.



Anh/chị hãy đánh giá mức độ **trực quan giao diện** (màu sắc, bố cục, ...) nói chung của sản phẩm ?

5 responses



III. FEATURES EVALUATION

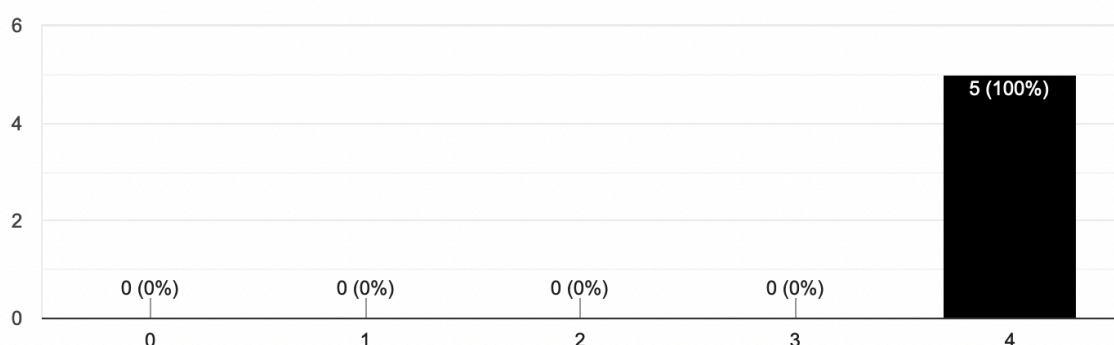
III.1. SIGN IN / SIGN UP FEATURE

- This feature has not been changed anything from a minor fix in UI from the first Version 1.0 of the final project.
- The students gave an evaluation of **3.6 / 4** for the process of navigating to the feature. This suggested that putting the feature into the menu required a little bit longer time to find. However, cleaning up the home page is a higher priority so we agreed to just keep the Sign in / Sign up feature at the same place.
- Due to the support for both registering using valid email or registering / logging in using Google account, the feature was considered very convenient and easy to be used. We received a maximum evaluation of **4 / 4** points from all students involved within the team.

Anh chị hãy đánh giá mức độ **thuận tiện thao tác** tính năng **Đăng kí / Đăng nhập**



5 responses



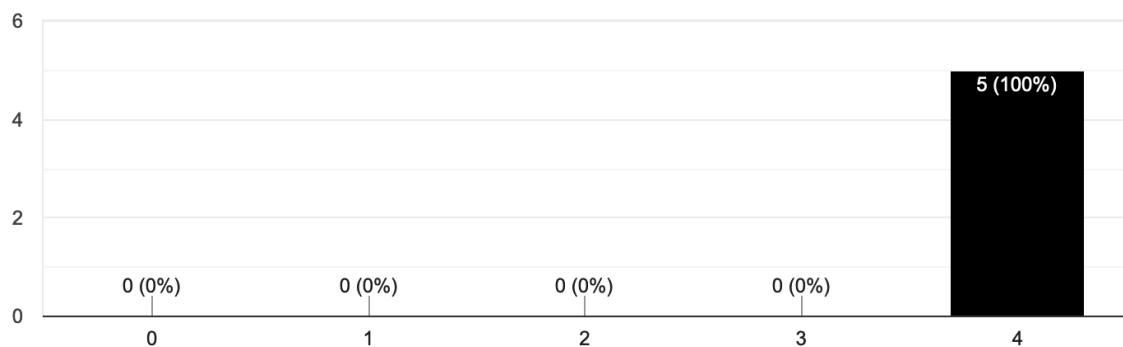
III.2. 3D MODEL AND QUICK SEARCH FEATURE

- As the 3D model and quick search feature was placed right in the home page, it was rated by the students to be very easy to be reached, almost instantly, through a maximum average evaluation of **4 / 4**.

Anh chị hãy đánh giá trải nghiệm về quá trình **tìm đến** tính năng **Tra cứu trên mô hình**

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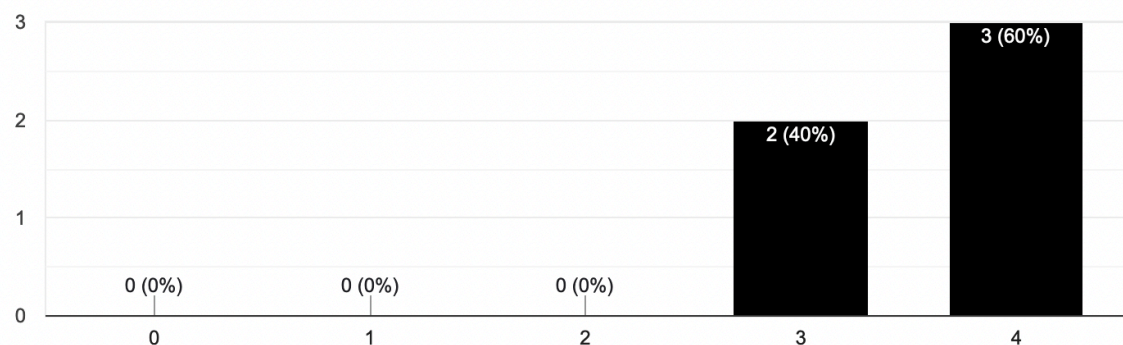


- We received an average of **3.6 / 4** for the efficiency and ease to use the feature, mostly due to some feedback about laggy issues with the 3D model (especially when zooming in).

Anh chị hãy đánh giá mức độ **thuận tiện thao tác** tính năng **Tra cứu trên mô hình**

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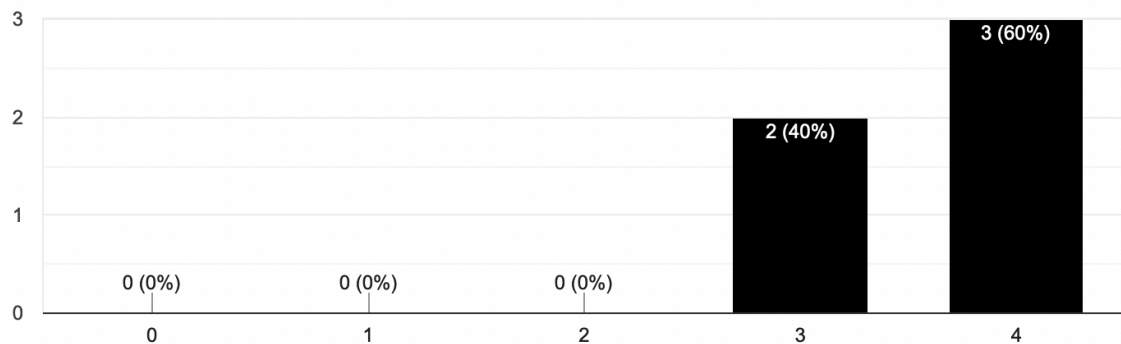
III.3. ADVANCED SEARCH FEATURE

- An average evaluation of 3.6 / 4 was given for the ease to access the Advanced Search feature. Advanced Search feature can be reached through selecting on the menu or through the Quick search results, causing a little bit more time required to reach.

Anh chị hãy đánh giá trải nghiệm về quá trình **tìm đến** tính năng **Tìm kiếm nâng cao**

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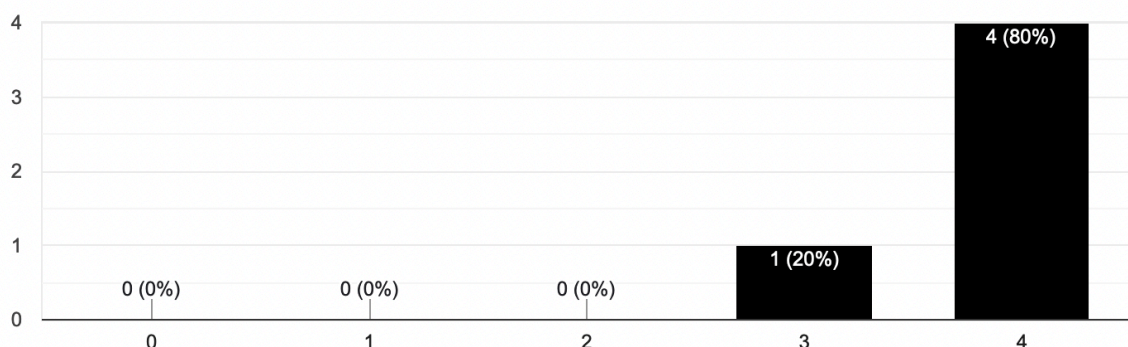


- 4 out of 5 students gave an evaluation of 4 / 4, higher than the point received from Version 2.0. There was one student rated the feature 3 out of 4, fell into the range of “satisfactory”. An average evaluation of 3.8 / 4 suggested the Advanced Search feature is not a difficult feature to use, and did provide usefulness for the students.

Anh chị hãy đánh giá mức độ **thuận tiện thao tác** tính năng **Tìm kiếm nâng cao**

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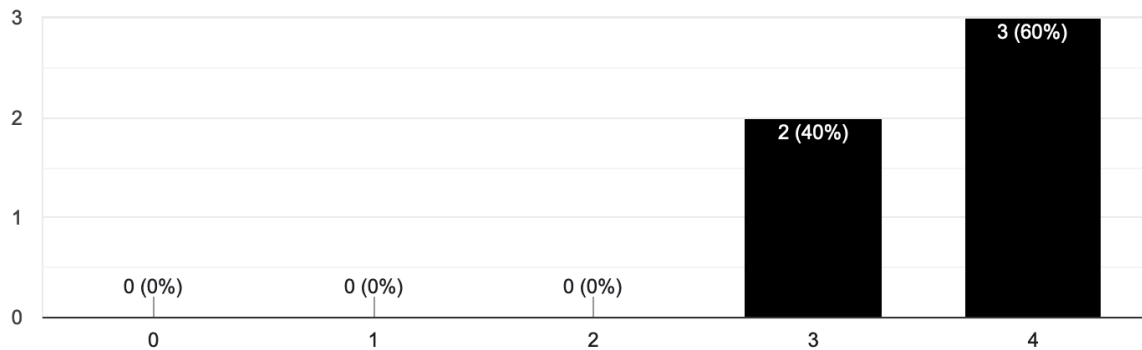
III.4. QUIZ FEATURE

- The Quiz feature also received an evaluation of 3.6 / 4 for the ease to access, meaning that the feature is not difficult to navigate but requires a short time (of about a few seconds) to be reached.

Anh chị hãy đánh giá trải nghiệm về quá trình **tìm đến** tính năng **Trắc nghiệm**

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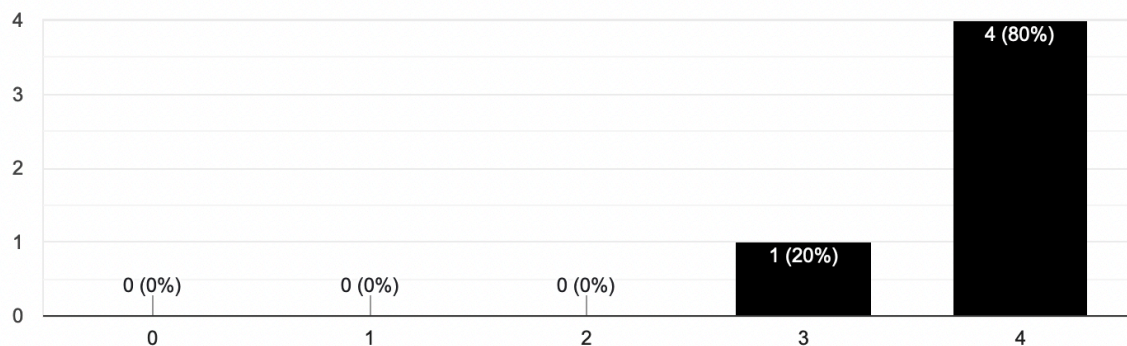


- For efficiency and usefulness, this feature also evaluated 3.8 / 4, meaning that the feature is good overall. Some minor feedback we received from this feature was related to the inefficient effects of the camera in the questions requiring selecting correct position among 4 different, as it required many steps for the students to navigate through the model and find all 4 points, used up too much time.

Anh chị hãy đánh giá mức độ **thuận tiện thao tác** tính năng **Trắc nghiệm**

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5 responses



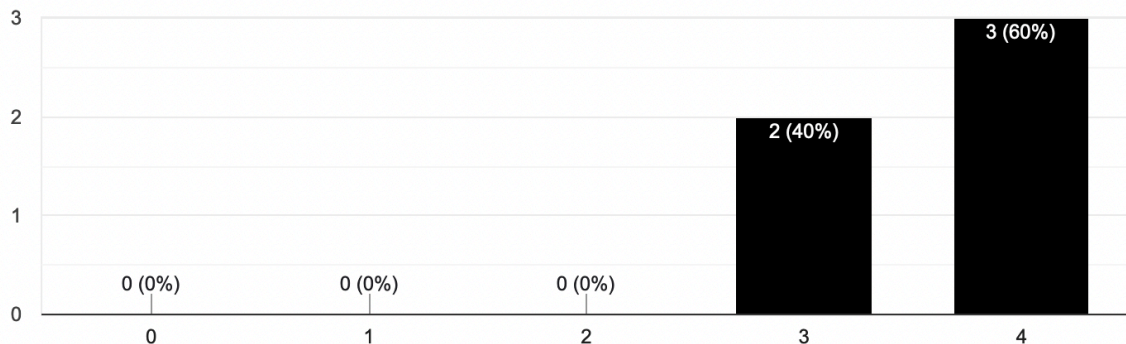
III.5. PERSONAL LEARNING PROGRESS DASHBOARD FEATURE

- The feature was not difficult to reach, as it was right on the main menu. However, we did receive some feedback about the default things to show in case of newly created account, with no records available. The average evaluation was **3.6 / 4**.

Anh chị hãy đánh giá trải nghiệm về quá trình tìm đến tính năng Xem thống kê về quá trình học qua trắc nghiệm

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5 responses



- The feature was said to be a good feature, which can surely be beneficial to use. We also received quite a good result for the ease of use, **3.8 / 4**, suggested that our simple steps to view all the statistics within the feature is a good approach.

IV. ACCEPTANCE TESTING SUMMARY

Criteria	Accessibility	Efficiency	Accepted
Feature: Authentication	3.6 / 4	4 / 4	✓
Feature: 3D Model and Quick search	4 / 4	3.6 / 4	✓
Feature: Advanced search	3.6 / 4	3.8 / 4	✓
Feature: Quiz	3.6 / 4	3.8 / 4	✓
Feature: Personal learning progress	3.6 / 4	3.8 / 4	✓
Criteria	Features	User interface	Accepted
General	3.6 / 4	3.6 / 4	✓

With all of the features and general evaluation surpassed the boundary of 3.5 / 4, all the feature are accepted by the group of 5 students. This concluded the acceptance for our Version 3.0 of the final system, and allows summing up of the Research & Development project.

However, with not maximum-point evaluation received, there were still some feedback we received from the users that would surely be a great source of information to define what to do for future development of the project. Some of the important feedback includes:

- A better way to show some acupuncture points. Even when anatomy mode cannot be available for the 3D model, there are some methods for displaying them that could be a good replacement
- More information should be added for all the items within the page

- The display of some items (especially the acupuncture points) was not very eye-pleasing. Following that, some students do not like the step required to zooming in the model to view all items.
- Some points and meridians requested a minor fix in location to be more accurate.
- Laggy situation when zooming into very small scale level.

In conclusion, the students found our website a very good, efficient and new method to learn compared to traditional method. The website also has some features that make difference to other applications in the market, especially the Quiz feature and Personal learning progress Dashboard feature was stated to be the strong and unique features of our system. Despite that, there are still things that can be improved for the website to be even better in future development.