



COMP704 Research and Development Project

VN01 3D acupuncture healthcare data management and treatment system

Sprint Planning

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Sprint: Sprint 14 - Testing 2

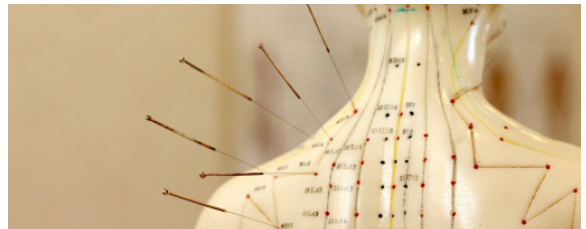


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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

Document code **S14**
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2. DOCUMENT SIGN-OFF

ID	Member	Role	Signature	Timestamp
21142355	Tan Le Tran Ba	Project Manager		16 Apr 2023 15:25

3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
1.0	15 Apr 2023 23:45	Initial plan for the Sprint	Nhan Nguyen Cao (21142377)

I. SPRINT OBJECTIVE

- Implement Version 3.0 for the website, the final version based on feedback collected from final enhancement of Version 2.0.
- Collect feedback from Medical University Students about the final version of the website – Version 3.0.
- Quality: Manual testing for corner cases and UI incompatible bugs of Version 2.0 of the website.
- Quality: Design and implement UI + feature testing for Interactive UI – version 3.0.
- Front-end: Write automation tests (end-to-end test) to cover the basic flows for the project that have not yet been tested through Unit tests and Integration tests.
- Back-end: Write unit tests covering all controllers and services within the Back-end server of the project.
- Quality: Design and implement UI test cases for responsive designs of the website
- Prepare the draft content for the final presentation slide for the Defense Ceremony

II. SPRINT DETAILS

1. SPRINT TIMELINE

Timeline: 17 Apr 2023 – 30 Apr 2023

Duration: 2 weeks

Table 1 - Sprint timeline

Week	Timeline	Detail
1	17 Apr 2023 – 23 Apr 2023	<ul style="list-style-type: none"> Implement Version 3.0 for the website, the final version based on feedback collected from final enhancement of Version 2.0. Design and implement UI test cases for responsive designs of the website Manual testing for corner cases and UI incompatible bugs of Version 2.0 of the website. Back-end: Write unit tests cover the controllers and services of the final product – P2: Domain knowledge. Prepare the draft content for the final presentation slide for the Defense Ceremony – Part 1: Sections to be included and basic content.
2	24 Apr 2023 – 30 Apr 2023	<ul style="list-style-type: none"> Collect feedback from Medical University Students about the final version of the website – Version 3.0. Front-end: Write automation tests (end-to-end test) to cover the basic flows for the project that have not yet been tested through Unit tests and Integration tests. Design and implement UI + feature testing for Interactive UI – version 3.0. Write unit tests cover the controllers and services of the final product – P3: Quizzes flow and Personal records flow. Prepare the draft content for the final presentation slide for the Defense Ceremony – Part 2: Draft detailed content for all sections of the presentation.

2. TEAM VELOCITY

Table 2 - Team Velocity for the Sprint (unit: hours)

Day of week	Nhan Nguyen Cao (21142377)	Tan Le Tran Ba (21142355)	Trang Ho Ngoc Thao (21142358)	Chuong Pham Dinh (21142643)	Total
Mon	2	2	1	1.5	6.5
Tue	2	2	2	3	9
Wed	2	2	2	2.5	8.5
Thu	2	3	1	2.5	8.5
Fri	2	2	2	2.5	8.5
Sat	3	3	4	2	12
Sun	3	2	4	2	11
Total	16	16	16	16	64

3. BACKLOG ITEMS

Table 3 - Backlog items

Item ID	Item description	Story points	Estimated effort (h)	Notes
1	Modify the prototype and design user experience flow for Version 3.0 of the final product.	2	7	
2	Implement Version 3.0 for the Website – Fix minor UI bugs and change some controls	1	3	
3	Implement Version 3.0 for the Website – Update the user navigation flow for complete UX flow	2	7	
4	Design UI test cases for Responsive Design of the final product – Mobile	2	6	
5	Design UI test cases for Responsive Design of the final product – Tablet	2	6	
6	Design UI and feature test cases for Version 3.0 of the final product	3	8	
7	Manual testing Version 2.0 of the final product to point out unresolved remaining UI bugs.	1	5	
8	Write unit tests cover the controllers and services of the final product – P2: Domain knowledge	3	8	
9	Prepare the draft content for the final presentation slide for the Defense	3	8	

	Ceremony – Part 1: Sections to be included and basic content.			
10	Collect feedback from the Medical University Students about Version 3.0 of the website	2	6	
11	Add automation tests to cover Authentication flows and Model control panel flows	3	8	
12	Implement UI test cases for Responsive Design of the final product – Mobile	3	8	
13	Implement UI test cases for Responsive Design of the final product – Tablet	2	6	
14	Implement UI and feature test cases for Version 3.0 of the final product	3	8	
15	Fix the bugs reported from Version 3.0 of the final product	2	6	
16	Write unit tests cover the controllers and services of the final product – P3: Quizzes flow	2	6	
17	Write unit tests cover the controllers and services of the final product – P3: Personal records flow	2	6	
18	Prepare the draft content for the final presentation slide for the Defense Ceremony – Part 2: Draft detailed content for all sections of the presentation	3	8	
19	Re-collect feedback from the medical university students for the fixed version of Version 3.0	3	8	
Total	19 tasks	44	128	

4. SPRINT INPUTS

- Feedback about third and fourth enhancement of Interactive UI – version 2.0.
- Designed UI and feature test cases for the final enhancements of Interactive UI – version 2.0.
- Understanding and successful experiments for writing automation tests (end-to-end tests) for Front-end side of the project.
- Understanding and successful experiments for writing unit tests for Back-end side of the project.

- Finished responsive layouts integrated for Interactive UI – version 2.0 (agreed not to be modified in version 3.0).
- Fix the remaining bugs reported from the quality team for all layouts and all user flows of the final product.

5. SPRINT OUTPUTS

- Final version of the website – Version 3.0, with user experience flows enhanced and all API integrated and tested successfully.
- Front-end: Unit tests + Integration tests covered at least 90% of the code lines and Automation tests added to cover the remaining user flows.
- Back-end: Unit tests covered the basic controllers and services for all endpoints in the Back-end side of the project.
- All UI and feature test cases for all versions and user flows tested and documented successfully.
- Draft content for the presentation slide for Defense Ceremony finished and ready to be used for styling the final slide.
- Ready-for-production version of the website, with basic flows run successfully and at least 95% of the reported UI bugs resolved successfully.

III. SPRINT DETAILS

Table 4 - Sprint details

Task ID	Task name	Story points	Estimated effort (h)	Assignee
1	Modify the prototype and design user experience flow for Version 3.0 of the final product.	2	7	Tan Le Tran Ba
2	Implement Version 3.0 for the Website – Fix minor UI bugs and change some controls	1	3	Nhan Nguyen Cao
3	Implement Version 3.0 for the Website – Update the user navigation flow for complete UX flow	2	7	
4	Design UI test cases for Responsive Design of the final product – Mobile	2	6	Chuong Pham Dinh
5	Design UI test cases for Responsive Design of the final product – Tablet	2	6	
6	Design UI and feature test cases for Version 3.0 of the final product	3	8	
7	Manual testing Version 2.0 of the final product to point out unresolved remaining UI bugs.	1	5	
8	Write unit tests cover the controllers and services of the final product – P2: Domain knowledge	3	8	Trang Ho Ngoc Thao
9	Prepare the draft content for the final presentation slide for the Defense Ceremony – Part 1: Sections to be included and basic content.	3	8	Tan Le Tran Ba
10	Collect feedback from the Medical University Students about Version 3.0 of the website	2	6	
11	Add automation tests to cover Authentication flows and Model control panel flows	3	8	Nhan Nguyen Cao
12	Implement UI test cases for Responsive Design of the final product – Mobile	3	8	Chuong Pham Dinh
13	Implement UI test cases for Responsive Design of the final product – Tablet	2	6	

14	Implement UI and feature test cases for Version 3.0 of the final product	3	8	
15	Fix the bugs reported from Version 3.0 of the final product	2	6	Nhan Nguyen Cao
16	Write unit tests cover the controllers and services of the final product – P3: Quizzes flow	2	6	Trang Ho Ngoc Thao
17	Write unit tests cover the controllers and services of the final product – P3: Personal records flow	2	6	
18	Prepare the draft content for the final presentation slide for the Defense Ceremony – Part 2: Draft detailed content for all sections of the presentation	3	8	Tan Le Tran Ba
19	Re-collect feedback from the medical university students for the fixed version of Version 3.0	3	8	
Total	19 tasks	44	128	