VN01 **3D acupuncture healthcare data management and treatment system**

Sprint Planning

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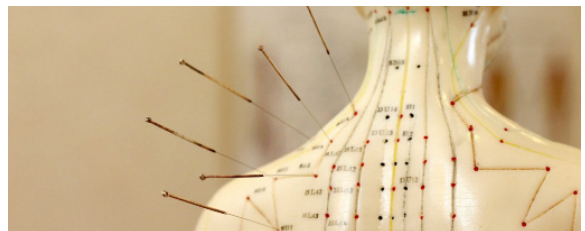
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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

Document code	**S13**
Document title	**Sprint Planning – Sprint 13: Development 7 + Testing 1 (Feedback Collection & Technical Testing)**
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2. DOCUMENT SIGN-OFF

ID	Member	Role	Signature	Timestamp
21142355	Tan Le Tran Ba	Project Manager		2 Apr 2023 19:35

3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
1.0	1 Apr 2023 17:30	Initial plan for the Sprint	**Nhan Nguyen Cao** *(21142377)* **Chuong Pham Dinh** *(21142643)*

I. SPRINT OBJECTIVE

- Implement the fourth enhancement for Interactive UI – version 2 based on feedback from the Supervisor.
- Collect feedback from medical university students about the enhancement versions of the Interactive UI – version 2 (third and fourth version).
- Integrate the remaining endpoints and authorization for API calls from Front-end side: Personal Records flow and JWT Authorization.
- Implement Responsive design for mobile and tablet to Front-end side of the website.
- Front-end: Research and attempt writing automation tests for running the basic flows of the project.
- Back-end: Research and attempt writing unit tests for different endpoints and middlewares of the code base.
- Design and implement UI testing for the third and fourth enhancement version of Interactive UI – version 2.
- Initiate the design workspace for the poster of Final defense presentation.

II. SPRINT DETAILS

1. SPRINT TIMELINE

Timeline: 3 Apr 2023 – 16 Apr 2023

Duration: 2 weeks

Table 1 - Sprint timeline

Week	Timeline	Detail
1	3 Apr 2023 – 9 Apr 2023	Implement the fourth enhancement for Interactive UI – version 2 based on feedback from the Supervisor.
		Implement UI test cases for the third version of Interactive UI – version 2.
		Design test cases for the fourth version of Interactive UI – version 2.
		Integrate the Authorization mechanism for API calls from the Front-end side of the website.
		Implement Responsive design for Front-end side of the project – Mobile view port.
		Back-end: Research about writing unit tests in Nest.js.
		Collect feedback and clarify some conditional requirements with the medical university students about the third enhancement version of Interactive UI – v2.
		Initiate the design workspace for the poster of Final defense presentation.
2	10 Apr 2023 – 16 Apr 2023	Implement test cases for the fourth version of Interactive UI – version 2.
		Integrate the API calls for upgraded Personal records flow and write unit tests for the new endpoints.
		Implement Responsive design for Front-end side of the project – Tablet view port.
		Front-end: Research about writing automation testing in React.js.
		Back-end: Write unit tests for Authentication flow and Profile flow in Nest.js.
		Fix and upgrade the sketch layout for the poster for Final presentation based on feedback of other team members.

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	0	1	1.5	**4.5**
Tue	2	1.5	0	2	**5.5**
Wed	2	2	1	1.5	**6.5**
Thu	2	3	1	1.5	**7.5**
Fri	2	1	1	1.5	**5.5**
Sat	0	3	4	2	**9**
Sun	2	1.5	4	2	**9.5**
Total	**12**	**12**	**12**	**12**	**48**

3. BACKLOG ITEMS

Table 3 - Backlog items

Item ID	Item description	Story points	Estimated effort (h)	Notes
1	Experiment about changes received from feedback for fourth enhancement of Interactive UI – v2	2	5	
2	Implement changes received from feedback for fourth enhancement of Interactive UI – v2	3	7	
3	Implement UI test cases for the third version of Interactive UI – version 2	3	6	
4	Design UI test cases for the fourth version of Interactive UI – version 2	3	6	
5	Integrate JWT Authorization to private endpoints of the Front-end side of the website	2	4	
6	Implement Responsive design for Front-end side of the project – Mobile	2	5	
7	Initiate the design workspace for the poster of Final defense presentation	2	4	
8	Send the third enhancement version and clarify pending requests for update with the medical university students.	3	7	

9	Research about writing unit tests in Nest.js.	2	5	
10	Implement test cases for the fourth version of Interactive UI – version 2.	3	7	
11	Integrate the API calls for upgraded Personal records flow.	2	4	
12	Write unit tests to cover the API endpoints of the Front-end side of the project.	2	4	
13	Implement Responsive design for Front-end side of the project – Tablet.	1	3	
14	Fix and upgrade the sketch layout for the poster for Final presentation based on feedback of other team members.	3	6	
15	Prepare the assets for designing the Architecture diagram of the final poster and presentation	2	5	
16	Implement unit tests for the Authentication endpoints (Back-end)	3	7	
17	Implement unit tests for the Profile endpoints (Back-end)	3	6	
18	Research about performing E2E testing in Front-end using Puppeteer	2	5	
Total	**18 tasks**	**43**	**96h**	

4. SPRINT INPUTS

- Interactive UI – Version 2, third enhancement.
- Prototype – Version 2, fourth enhancement
- Finished API endpoints for upgraded Personal records flow.
- Prototype finished for Responsive design – Mobile and Tablet.
- Finished API guardian mechanism for authorization using JSON Web Token (JWT).
- Finished sketch layout for the poster of final presentation, first version.
- Designed UI test cases for third enhancement version of Interactive UI – V2.

5. SPRINT OUTPUTS

- Interactive UI – Version 2, fourth enhancement implemented successfully.
- UI test cases for third enhancement and fourth enhancement version of Interactive UI – V2 designed and implemented successfully.

- API endpoints integrated successfully for all flows of the project from Front-end side, with authorization available using JSON Web Token (JWT).
- Design workspace set up successfully for final poster of Defense presentation.
- Sketch layout for final poster of Defense presentation upgraded.
- Back-end: Understand and implement unit tests for Authentication and Profile flows.
- Front-end: Understand using Puppeteer to perform Automation (E2E test) for the Front-end side of the website.

III. SPRINT DETAILS

Table 4 - Sprint details

Task ID	Task name	Story points	Estimated effort (h)	Assignee
1	Experiment about changes received from feedback for fourth enhancement of Interactive UI – v2	2	5	Nhan Nguyen Cao
2	Implement changes received from feedback for fourth enhancement of Interactive UI – v2	3	7	Nhan Nguyen Cao
3	Implement UI test cases for the third version of Interactive UI – version 2	3	6	Chuong Pham Dinh
4	Design UI test cases for the fourth version of Interactive UI – version 2	3	6	Chuong Pham Dinh
5	Integrate JWT Authorization to private endpoints of the Front-end side of the website	2	4	Nhan Nguyen Cao
6	Implement Responsive design for Front-end side of the project – Mobile	2	5	Nhan Nguyen Cao
7	Initiate the design workspace for the poster of Final defense presentation	2	4	Tan Le Tran Ba
8	Send the third enhancement version and clarify pending requests for update with the medical university students.	3	7	Tan Le Tran Ba
9	Research about writing unit tests in Nest.js.	2	5	Trang Ho Ngoc Thao
10	Implement test cases for the fourth version of Interactive UI – version 2.	3	7	Chuong Pham Dinh
11	Integrate the API calls for upgraded Personal records flow.	2	4	Nhan Nguyen Cao
12	Write unit tests to cover the API endpoints of the Front-end side of the project.	2	4	Nhan Nguyen Cao
13	Implement Responsive design for Front-end side of the project – Tablet.	1	3	Nhan Nguyen Cao
14	Fix and upgrade the sketch layout for the poster for Final presentation based on feedback of other team members.	3	6	Tan Le Tran Ba

15	Prepare the assets for designing the Architecture diagram of the final poster and presentation	2	5	Tan Le Tran Ba
16	Implement unit tests for the Authentication endpoints (Back-end)	3	7	Trang Ho Ngoc Thao
17	Implement unit tests for the Profile endpoints (Back-end)	3	6	Trang Ho Ngoc Thao
18	Research about performing E2E testing in Front-end using Puppeteer	2	5	Nhan Nguyen Cao
Total	**18 tasks**	**43**	**96**	