



COMP704 Research and Development Project

VN01 3D acupuncture healthcare data management and treatment system

Sprint Planning

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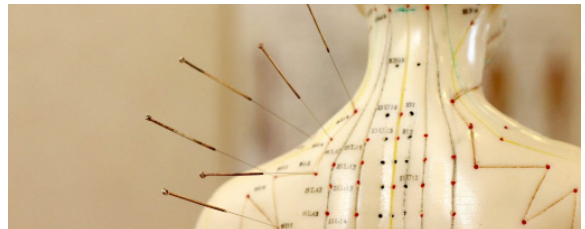


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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

Document code **S12**

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2. DOCUMENT SIGN-OFF

ID	Member	Role	Signature	Timestamp
21142355	Tan Le Tran Ba	Project Manager		19 Mar 2023 23:50

3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
1.0	19 Mar 2023 20:45	Initial plan for the Sprint	Nhan Nguyen Cao (21142377) Chuong Pham Dinh (21142643)

I. SPRINT OBJECTIVE

- Implement the third enhancement for Interactive UI – version 2 based on the feedback received from Supervisor.
- Upgrade the CI/CD flow and prepare server for live deployment.
- Complete the final Prototype for Responsive Design – Tablet viewport.
- Update the Prototype for third and fourth enhancement of Interactive UI – version 2.
- Integrate the API calls for finished endpoints (from Front-end side).
- Design and implement UI testing and feature testing for second and third enhancement version of Interactive UI – version 2.
- Maintain the test coverage of unit tests for Front-end side of the code base.
- Kick-off designing for the poster of Final Defense presentation

II. SPRINT DETAILS

1. SPRINT TIMELINE

Timeline: 20 Mar 2023 – 2 Apr 2023

Duration: 2 weeks

Table 1 - Sprint timeline

Week	Timeline	Detail
1	20 Mar 2023 – 26 Mar 2023	<p>Complete the final Prototype for Responsive Design – Tablet viewport. Upgrade the CI/CD flow and prepare server for live deployment.</p> <p>Update the Prototype for third enhancement of Interactive UI – version 2.</p> <p>Design and implement UI testing and feature testing for second version of Interactive UI – version 2.</p> <p>Maintain the test coverage of unit tests for Front-end side of the code base.</p> <p>Integrate API calls for Authentication flows, item flows.</p>
2	27 Mar 2023 – 2 Apr 2023	<p>Implement the third enhancement for Interactive UI – version 2 based on the feedback received from Supervisor.</p> <p>Update the Prototype for the fourth enhancement of Interactive UI – version 2.</p> <p>Integrate the API calls for quizzes flow.</p> <p>Kick-off designing for the poster of Final Defense presentation.</p> <p>Design UI testing and feature testing for third enhancement version of Interactive UI – version 2.</p>

2. TEAM VELOCITY

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

Day of week	Nhan Nguyen Cao	Tan Le Tran Ba	Trang Ho Ngoc Thao	Chuong Pham Dinh	Total
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	(21142377)	(21142355)	(21142358)	(21142643)	
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	Update Prototype based on feedback of supervisor (Prototype V2 - 3)	3	8	
2	Experiment about changes suggested for updated Interactive UI V2 (Interactive UI V2 - 3)	2	3	
3	Fix CD for Back-end => Change to Heroku	2	4	
4	Set up live server for deployment and upgrade the deployment flow for Staging and Live server	2	3	
5	Integrate API calls for Authentication flow.	2	3	
6	Integrate API calls for getting and setting item information flow.	2	4	
7	Improve test coverage for the added API calls in Front-end code base – P1	2	3	
8	Research about applying JWT authorization for API endpoints within the project	3	8	
9	Check for corner cases and improve condition checking for finished API endpoints	2	3	
10	Implement test cases for integrated API flows: Authentication and Item	3	8	

11	Update the Prototype for the fourth enhancement of Interactive UI – version 2	3	8	
12	Implement the third enhancement for Interactive UI – version 2.	3	8	
13	Integrate the API calls for quizzes flow	2	2	
14	Integrate JWT authorization flow for existing API endpoints (Back-end side)	3	8	
15	Handle the API endpoints for upgraded Personal Records flow	2	4	
16	Design sketch layouts and theme for final poster	2	3	
17	Design UI test cases for third enhancement of Interactive UI – version 2.	3	8	
18	Implement test cases for integrated API flows: Quizzes flow	3	8	
Total	18 tasks	44	96h	

4. SPRINT INPUTS

- Interactive UI – Version 2, second enhancement.
- Prototype – Version 2, third enhancement
- Finished API endpoints for Authentication, Item and Quizzes flows.
- Feature and API test cases designed for Authentication, Item and Quizzes flows.
- Heroku account linked with Github Student account, with one free instance for hosting available.

5. SPRINT OUTPUTS

- Prototype – Version 2, third and fourth enhancement finished.
- API integrated for Authentication, Item and Quizzes flows in Front-end side.
- JWT Authorization researched and implemented successfully for Back-end side.
- CD flow modified to deploy Back-end to new host service, Heroku, instead of the previous one, Vercel.
- Live server set up successfully and CD flow modified to distinguish between Staging server and Live server.
- UI test cases for third enhancement of Interactive UI – version 2 designed.
- Feature and API test cases for Authentication, Item and Quizzes flows implemented successfully.
- Finish designing the sketch layout for the poster of final defense presentation.

III. SPRINT DETAILS

Table 4 - Sprint details

Task ID	Task name	Story points	Estimated effort (h)	Assignee
1	Update Prototype based on feedback of supervisor (Prototype V2 - 3)	3	8	Tan Le Tran Ba
2	Experiment about changes suggested for updated Interactive UI V2 (Interactive UI V2 - 3)	2	3	Nhan Nguyen Cao
3	Fix CD for Back-end => Change to Heroku	2	4	Trang Ho Ngoc Thao
4	Set up live server for deployment and upgrade the deployment flow for Staging and Live server	2	3	Nhan Nguyen Cao
5	Integrate API calls for Authentication flow.	2	3	
6	Integrate API calls for getting and setting item information flow.	2	4	
7	Improve test coverage for the added API calls in Front-end code base – P1	2	3	
8	Research about applying JWT authorization for API endpoints within the project	3	8	Trang Ho Ngoc Thao
9	Check for corner cases and improve condition checking for finished API endpoints	2	3	
10	Implement test cases for integrated API flows: Authentication and Item	3	8	Chuong Pham Dinh
11	Update the Prototype for the fourth enhancement of Interactive UI – version 2	3	8	Tan Le Tran Ba
12	Implement the third enhancement for Interactive UI – version 2.	3	8	Nhan Nguyen Cao
13	Integrate the API calls for quizzes flow	2	2	Nhan Nguyen Cao
14	Integrate JWT authorization flow for existing API endpoints (Back-end side)	3	8	Trang Ho Ngoc Thao
15	Handle the API endpoints for upgraded Personal Records flow	2	4	

16	Design sketch layouts and theme for final poster	2	3	Tan Le Tran Ba
17	Design UI test cases for third enhancement of Interactive UI – version 2.	3	8	Chuong Pham Dinh
18	Implement test cases for integrated API flows: Quizzes flow	3	8	Chuong Pham Dinh
Total	18 tasks	44	96	