



COMP704 Research and Development Project

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

# Sprint Planning

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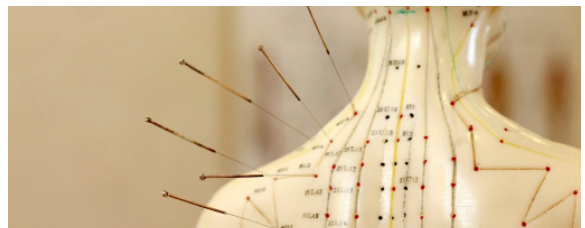
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21142355	Tan Le Tran Ba
21142358	Trang Ho Ngoc Thao

**Version:** 1.0

**Date:** 19<sup>th</sup> February 2023

**Sprint:** Sprint 10 - Development 4



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## DOCUMENT VERSION CONTROL

### 1. DOCUMENT INFORMATION

Document code     **S10**

Document title     **Sprint Planning – Sprint 10: Development 4 (Interactive UI – v2)**

Version             **1.0**


Authors             **Chuong Pham Dinh, Nhan Nguyen Cao**

Distributed by       **Project VN01 team**

File name           **S10\_Sprint Planning – Sprint 10\_1.0.pdf**

Release definition   **Only released as a finished document**

### 2. DOCUMENT SIGN-OFF

ID	Member	Role	Signature	Timestamp
21142355	Tan Le Tran Ba	Project Manager		19 Feb 2023 20:20

### 3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
<b>1.0</b>	19 Feb 2023 11:25	Initial plan for the Sprint	<b>Nhan Nguyen Cao</b> (21142377) <b>Chuong Pham Dinh</b> (21142643)

## I. SPRINT OBJECTIVE

- Finalize the second version of Prototype, based on the feedback received from Prototype V1.
- Handle the second version of Interactive UI, based on Prototype V2.
- UI testing the second version of Interactive UI.
- Handle the API endpoints for authentication.
- Validate all the finished API endpoints and improve test coverage.
- Integrate the 3-D model with all acupuncture points and meridians labeled, camera and mouse effects added.
- Handle the Quiz flow with different types of questions for reviewing learnt knowledge (Front-end).

## II. SPRINT DETAILS

### 1. SPRINT TIMELINE

Timeline: 20 Feb 2023 – 5 Mar 2023

Duration: 2 weeks

Table 1 - Sprint timeline

Week	Timeline	Detail
1	20 Feb 2023 – 26 Feb 2023	<p>Finalize the second version of Prototype, based on the feedback received from Prototype V1.</p> <p>Fix pending UI and feature bugs existed from version 1 of Interactive UI.</p> <p>Integrate the hovering and clicking effects to the 3-D model.</p> <p>Integrate the focus-to-item camera effect to the 3-D model.</p> <p>Handle the API endpoints for authentication</p>
2	27 Feb 2023 – 5 Mar 2023	<p>Handle the second version of Interactive UI, based on Prototype V2.</p> <p>Integrate interactive questions for quiz feature.</p> <p>UI testing the second version of Interactive UI.</p> <p>Validate all the finished API endpoints and improve test coverage.</p>

### 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

<b>Sun</b>	2	1.5	4	2	<b>9.5</b>
<b>Total</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>48</b>

### 3. BACKLOG ITEMS

Table 3 - Backlog items

<b>Item ID</b>	<b>Item description</b>	<b>Story points</b>	<b>Estimated effort (h)</b>	<b>Notes</b>
<b>1</b>	Create the second version for prototype V2 based on the feedback received from V1 (Stage 2)	2	5	
<b>2</b>	Resolve pending UI and feature bugs existed from interactive UI – V1	2	5	
<b>3</b>	Handle the API endpoints for storing and getting account information	2	5	
<b>4</b>	Handle the API endpoints for updating account information	3	7	
<b>5</b>	Integrate the hovering and clicking effects to the 3-D model	2	5	
<b>6</b>	Integrate the focus-to-item camera effect to the 3-D model	2	5	
<b>7</b>	Review and update descriptions for UI and feature test cases of Interactive prototype V1	2	5	
<b>8</b>	Integrate interactive questions for quiz feature – prototype V2	3	7	
<b>9</b>	Update interactive prototype V2 – Home page + Landing page	3	7	
<b>10</b>	Update interactive prototype V2 – Quiz page	3	7	
<b>11</b>	Update interactive prototype V2 – Advanced search page + Details page	2	5	
<b>12</b>	Validate all the finished API endpoints and improve test coverage	3	7	
<b>13</b>	Design test cases for new Quiz feature	3	7	
<b>14</b>	Design test cases for new Model interaction on home page	3	7	
<b>15</b>	UI testing the second version of Interactive UI.	2	5	

<b>16</b>	Create prototype - Responsive Design (Mobile – Stage 1)	<b>3</b>	<b>7</b>	
<b>Total</b>	<b>16 tasks</b>	<b>40</b>	<b>96</b>	

#### **4. SPRINT INPUTS**

- Demo 3-D model integrated successfully to demo path of Front-end side, on Interactive UI version 1.
- Stage 1 of Prototype V2 finished, based on the feedback received from V1.
- Feedback about Prototype V1 collected from target users and supervisor.
- 3-D model integrated successfully with all meridians and 361 acupuncture points labeled successfully.
- Back-end code base set up successfully, with existing API endpoints for retrieving and updating item information.

#### **5. SPRINT OUTPUTS**

- Prototype V2 – upgraded from feedback on the first version of Prototype, finished successfully.
- UI testing on interactive UI – version 2 done with basic test cases and results + descriptions noted.
- Interactive UI – Version 2, based on Prototype V2, done basically and can be accessible through staging server.
- 3-D model with mouse effects (hovering and clicking effects) and camera focus effects integrated successfully to the home page.
- Quiz feature with additional interactive questions integrated successfully to the site.
- API endpoints available for authentication flow.

### III. SPRINT DETAILS

Table 4 - Sprint details

Task ID	Task name	Story points	Estimated effort (h)	Assignee
1	Create the second version for prototype V2 based on the feedback received from V1 (Stage 2)	2	5	Tan Le Tran Ba
2	Resolve pending UI and feature bugs existed from interactive UI – V1	2	5	Nhan Nguyen Cao
3	Handle the API endpoints for storing and getting account information	2	5	Trang Ho Ngoc Thao
4	Handle the API endpoints for updating account information	3	7	
5	Integrate the hovering and clicking effects to the 3-D model	2	5	Nhan Nguyen Cao
6	Integrate the focus-to-item camera effect to the 3-D model	2	5	
7	Review and update descriptions for UI and feature test cases of Interactive prototype V1	2	5	Chuong Pham Dinh
8	Integrate interactive questions for quiz feature – prototype V2	3	7	Nhan Nguyen Cao
9	Update interactive prototype V2 – Home page + Landing page	3	7	
10	Update interactive prototype V2 – Quiz page	3	7	
11	Update interactive prototype V2 – Advanced search page + Details page	2	5	
12	Validate all the finished API endpoints and improve test coverage	3	7	Trang Ho Ngoc Thao
13	Design test cases for new Quiz feature	3	7	Chuong Pham Dinh
14	Design test cases for new Model interaction on home page	3	7	
15	UI testing the second version of Interactive UI.	2	5	
16	Create prototype - Responsive Design (Mobile – Stage 1)	3	7	Tan Le Tran Ba
<b>Total</b>	<b>16 tasks</b>	<b>40</b>	<b>96</b>	