AUT
UNIVERSITY
NEW ZEALAND

COMP704 Research and Development Project

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

Sprint Summary

Client: Dr William Liu

Supervisor: Dr Nhan Le Thi

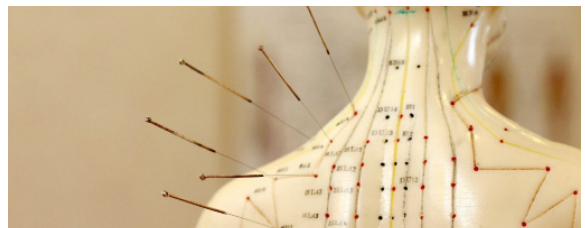**Team Members:**   21142643   Chuong Pham Dinh
                                    21142377   Nhan Nguyen Cao
                                    21142355   Tan Le Tran Ba
                                    21142358   Trang Ho Ngoc Thao

Version: 1.0

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Sprint: Sprint 6 - Upskilling 2

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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

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2. DOCUMENT SIGN-OFF

ID	Member	Role	Signature	Timestamp
21142355	Tan Le Tran Ba	Project Manager		10 Jan 2023 13:00

3. DOCUMENT VERSIONS

Version	Timestamp	Description	Responsible members
1.0	8 Jan 2023 23:30	Summary the detail for the Sprint	**Nhan Nguyen Cao** *(21142377)*

I. SPRINT TIMELINE

Timeline: 26 Dec 2022 – 8 Jan 2023

Duration: 2 weeks

Table 1 - Sprint timeline

Week	Timeline	Detail
1	26 Dec 2022 – 1 Jan 2023	Examine loading the finished 3D model into display, using a Three.js-integrated React.js project.
		Define and add basic interactions to the 3D model after loaded into display in the browser.
		Examine connecting Nest.js project with the main and staging MongoDB database server.
		Create sketch versions of layouts for main scenes within the product.
2	2 Jan 2023 – 8 Jan 2023	Examine connecting Nest.js project with the main and staging MongoDB database server.
		Examine displaying acupuncture points and line for showing meridian on the 3D model after loaded into display of BL meridian.
		Prepare the presentation slide and content for the Informal QR Review presentation.

II. SPRINT DETAILS

Table 2 - Sprint details

Task ID	Task name	Story points	Estimated effort (h)	Actual effort (h)	Assignee
1	Design prototype sketch (of screens' layouts)	3	8	11h 35m	Tan Le Tran Ba
2	Load 3D model into display	1	3	2h 15m	Chuong Pham Dinh
3	Add scrolling, rotating and zooming interactions for the 3D viewport after loaded the 3D model	3	8	4h 57m	Nhan Nguyen Cao
4	Config the camera angles for the viewport after loaded the 3D model	2	6	5h 25m	Nhan Nguyen Cao
5	Add loading scene before rendering the model	1	3	1h	Chuong Pham Dinh
6	Create demo test for connecting to MongoDB database (backup and main databases)	1	3	2h 13m	Trang Ho Ngoc Thao
7	Create demo test for connecting to PostgreSQL database (backup and main databases)	2	4	3h 28m	Trang Ho Ngoc Thao
8	Examine drawing acupuncture points of BL meridian into the 3D model	2	6	4h 27m	Nhan Nguyen Cao
9	Examine drawing the line illustrating the BL meridian (by connecting the acupoints) into the 3D model	2	6	4h 49m	Chuong Pham Dinh
10	Config the labels of the acupuncture points to always face the screen.	2	6	2h 13m	Nhan Nguyen Cao
11	Record demo video about the method for loading 3D model into	2	6	3h 17m	Trang Ho Ngoc Thao

	browser and how the acupuncture points and meridians are displayed.				
12	Discuss with Client (Dr. Liu) about the current approach for loading 3D model and displaying important factors.	1	3	1h 15m	Nhan Nguyen Cao
13	Define the main content to be included in the Informal QR presentation	2	6	3h 32m	Nhan Nguyen Cao
14	Draft slide for Informal QR presentation	2	6	5h 15m	Trang Ho Ngoc Thao
15	Complete the presentation slide for Informal QR presentation	3	8	9h 13m	Tan Le Tran Ba
16	Create script for presenting the Informal QR presentation	2	6	4h 12m	Chuong Pham Dinh
17	Research about technique for using script to integrate collected data from spreadsheets to database servers.	3	8	6h 44m	Trang Ho Ngoc Thao
Total	**17 tasks**	**34**	**96**	**75h 50m**	

III. MEMBER CONTRIBUTION BREAKDOWN

Table 3 - Sprint contribution breakdown

Student ID	Name	Tasks	Story points	Total effort
21142643	Chuong Pham Dinh	4	6	12h 16m
21142377	Nhan Nguyen Cao	6	12	21h 49m
21142355	Tan Le Tran Ba	2	6	20h 48m
21142358	Trang Ho Ngoc Thao	5	10	20h 57m