



COMP704 Research and Development Project

VN01 3D acupuncture healthcare data management and treatment system

Sprint Planning

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Sprint: Sprint 8 - Development 2

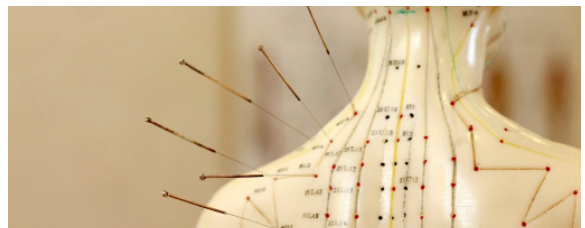


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DOCUMENT VERSION CONTROL

1. DOCUMENT INFORMATION

Document code **S8**

Document title **Sprint Planning – Sprint 8: Development 2 (Interactive UI – v1)**

Version **1.0**


Authors **Trang Ho Ngoc Thao, Nhan Nguyen Cao**

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

2. DOCUMENT SIGN-OFF

| ID | Member | Role | Signature | Timestamp |
|----------|----------------|-----------------|---|----------------------|
| 21142355 | Tan Le Tran Ba | Project Manager |  | 23 Jan 2023 07:25 |

3. DOCUMENT VERSIONS

| Version | Timestamp | Description | Responsible members |
|------------|----------------------|-----------------------------|---|
| 1.0 | 21 Jan 2022 15:47 | Initial plan for the Sprint | Nhan Nguyen Cao (21142377) Trang Ho Ngoc Thao (21142358) |

I. SPRINT OBJECTIVE

- Validate the integrated data about 14 meridians and 361 acupuncture points in project's MongoDB database instance.
- Handle the first version of Interactive UI, based on Prototype V1.
- UI testing the first version of Interactive UI.
- Label acupuncture points of second batch of 4 main meridians (SI – Small Intestine, BL – Bladder, KI – Kidney, PC - Pericardium) to the 3-D model.
- Integrate the Authentication flow (using Google accounts) for the final product.

II. SPRINT DETAILS

1. SPRINT TIMELINE

Timeline: 23 Jan 2023 – 5 Feb 2023

Duration: 2 weeks

Table 1 - Sprint timeline

| Week | Timeline | Detail |
|------|---------------------------|---|
| 1 | 23 Jan 2023 – 29 Jan 2023 | <p>Validate and update the integrated data about 14 meridians and 361 acupuncture points in project's MongoDB database instance.</p> <p>Build the first version of interactive UI: Authentication pages, Edit profile page, Forgot password page, Home page and Details page, Quiz page.</p> <p>UI Testing the completed scenes parallelly with the development.</p> <p>Label acupuncture points of second batch of 2 main meridians (SI, BL) to the 3-D model.</p> |
| 2 | 30 Jan 2023 – 5 Feb 2023 | <p>Build the first version of interactive UI: Advanced search page, Data management page, Personal records page, About page.</p> <p>UI Testing the completed scenes parallelly with the development.</p> <p>Label acupuncture points of second batch of 2 main meridians (KI, PC) to the 3-D model.</p> <p>Research and integrate Authentication mechanism using Google account or Email.</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 |
| 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 | Validate and update data of 14 meridians in MongoDB database. | 2 | 3 | |
| 2 | Validate and update data of 361 acupuncture points in MongoDB database. | 2 | 5 | |
| 3 | Handle the interactive UI: Authentication pages (Sign Up and Log In) | 2 | 4 | |
| 4 | Handle the interactive UI: Profile pages (Edit Profile and Forgot Password) | 2 | 4 | |
| 5 | Handle the interactive UI: Home page | 2 | 6 | |
| 6 | Handle the interactive UI: Quiz page | 3 | 7 | |
| 7 | Handle the interactive UI: View details page | 2 | 3 | |
| 8 | UI Testing the first version of interactive UI (Part 1 – Authentication, Profile, Home, Quiz and View details) | 3 | 8 | |
| 9 | Draw to layout: SI meridian | 2 | 4 | |
| 10 | Draw to layout: BL meridian | 3 | 6 | |
| 11 | Handle the interactive UI: Advanced Search page | 3 | 7 | |
| 12 | Handle the interactive UI: Data Management page | 2 | 3 | |
| 13 | Handle the interactive UI: Personal Records page | 3 | 8 | |
| 14 | Handle the interactive UI: About page | 2 | 4 | |
| 15 | UI Testing the first version of interactive UI (Part 2 – Advanced | 3 | 8 | |

| | | | | |
|--------------|---|-----------|-----------|--|
| | Search, Data Management, Personal Records, About) | | | |
| 16 | Draw to layout: KI meridian | 2 | 4 | |
| 17 | Draw to layout: PC meridian | 2 | 4 | |
| 18 | Research about integrating Firebase authentication into the system | 2 | 3 | |
| 19 | Integrate Firebase authentication into the system for 2 methods: Email or Google Provider | 3 | 5 | |
| Total | 19 tasks | 44 | 96 | |

4. SPRINT INPUTS

- Collected data about 14 meridians and 361 acupuncture points (currently stored in Google Spreadsheets) added successfully to the MongoDB database instance of the project.
- 3-D model integrated successfully with 5 meridians have acupuncture points labeled successfully (LU, LI, ST, SP, HT).
- Prototype – Version 1 finished with design guidelines included and more stylings for the most primary scenes and the secondary scenes.
- CI/CD pipelines set up for Front-end code repository.
- Sources to referencing the locations of 14 meridians and 361 acupuncture points.

5. SPRINT OUTPUTS

- Data about 14 meridians and 361 acupuncture points (in MongoDB database) validated and updated for any format error.
- Acupuncture points of batch 2 of 4 main meridians (SI, BL, KI, PC) labeled successfully at correct locations on the 3-D model
- Interactive UI – Version 1, based on Prototype V1, done basically and can be accessible through staging server
- UI testing on interactive UI done with basic test cases and results + descriptions noted.
- Authentication flow using Firebase Authentication (allowing authentication with Email or Google Accounts) integrated successfully to the site.

III. SPRINT DETAILS

Table 4 - Sprint details

| Task ID | Task name | Story points | Estimated effort (h) | Assignee |
|---------|---|--------------|----------------------|--------------------|
| 1 | Validate and update data of 14 meridians in MongoDB database. | 2 | 3 | Trang Ho Ngoc Thao |
| 2 | Validate and update data of 361 acupuncture points in MongoDB database. | 2 | 5 | |
| 3 | Handle the interactive UI: Authentication pages (Sign Up and Log In) | 2 | 4 | Nhan Nguyen Cao |
| 4 | Handle the interactive UI: Profile pages (Edit Profile and Forgot Password) | 2 | 4 | |
| 5 | Handle the interactive UI: Home page | 2 | 6 | |
| 6 | Handle the interactive UI: Quiz page | 3 | 7 | |
| 7 | Handle the interactive UI: View details page | 2 | 3 | |
| 8 | UI Testing the first version of interactive UI (Part 1 – Authentication, Profile, Home, Quiz and View details) | 3 | 8 | Chuong Pham Dinh |
| 9 | Draw to layout: SI meridian | 2 | 4 | |
| 10 | Draw to layout: BL meridian | 3 | 6 | |
| 11 | Handle the interactive UI: Advanced Search page | 3 | 7 | Nhan Nguyen Cao |
| 12 | Handle the interactive UI: Data Management page | 2 | 3 | |
| 13 | Handle the interactive UI: Personal Records page | 3 | 8 | |
| 14 | Handle the interactive UI: About page | 2 | 4 | |
| 15 | UI Testing the first version of interactive UI (Part 2 – Advanced Search, Data Management, Personal Records, About) | 3 | 8 | Chuong Pham Dinh |
| 16 | Draw to layout: KI meridian | 2 | 4 | Tan Le Tran Ba |
| 17 | Draw to layout: PC meridian | 2 | 4 | |

| | | | | |
|--------------|---|-----------|-----------|--------------------|
| 18 | Research about integrating Firebase authentication into the system | 2 | 3 | Trang Ho Ngoc Thao |
| 19 | Integrate Firebase authentication into the system for 2 methods: Email or Google Provider | 3 | 5 | |
| Total | 19 tasks | 44 | 96 | |