

1. Title Page

- **Module Name:** *Machine Software Engineering (MOD003263)*
- **Student Name:** *Amrit Vaswani*
- **Student ID:** *2319498*
- **Week:** *2 – Agile User Stories, Wireframes & GitHub*

1 USER STORIES DOCUMENT

Project Title: Graphene Trace – Sensore Pressure Monitoring System

Individual User Stories

1. Patient Dashboard Access

As a *patient*, I want to **see my live pressure heat map** so that **I can adjust my posture and avoid developing pressure ulcers**.

2. Clinician Monitoring View

As a *clinician*, I want to **access all my assigned patients' pressure data** so that **I can monitor their conditions and identify high-risk areas early**.

3. Admin Account Management

As an *admin*, I want to **create and manage user accounts (patients and clinicians)** so that **the system remains secure and organized**.

4. Alert and Report System

As a *clinician*, I want to **receive alerts when a patient's pressure levels exceed safe limits** so that **I can take immediate action and record the event**.

5. Comment and Feedback Box

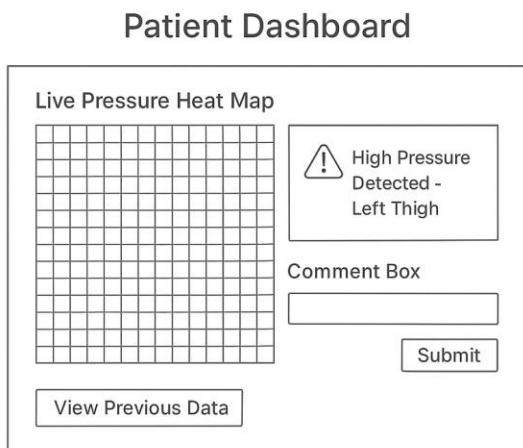
As a *patient*, I want to **add comments to my pressure map timeline** so that **I can inform my clinician about discomfort or pain in real time**.

Team (Solo) User Story Summary

As a *solo developer*, I want to **integrate patient, clinician, and admin functionalities** into one system so that **I can demonstrate a complete, functioning software prototype for Graphene Trace**.

WIREFRAME DIAGRAMS

Wireframe 1: Patient Dashboard



Wireframe 2: Clinician Dashboard

ADMIN PANEL: User Management

Filters and Actions

Filter By Role Filter By Date Created Add User Delete

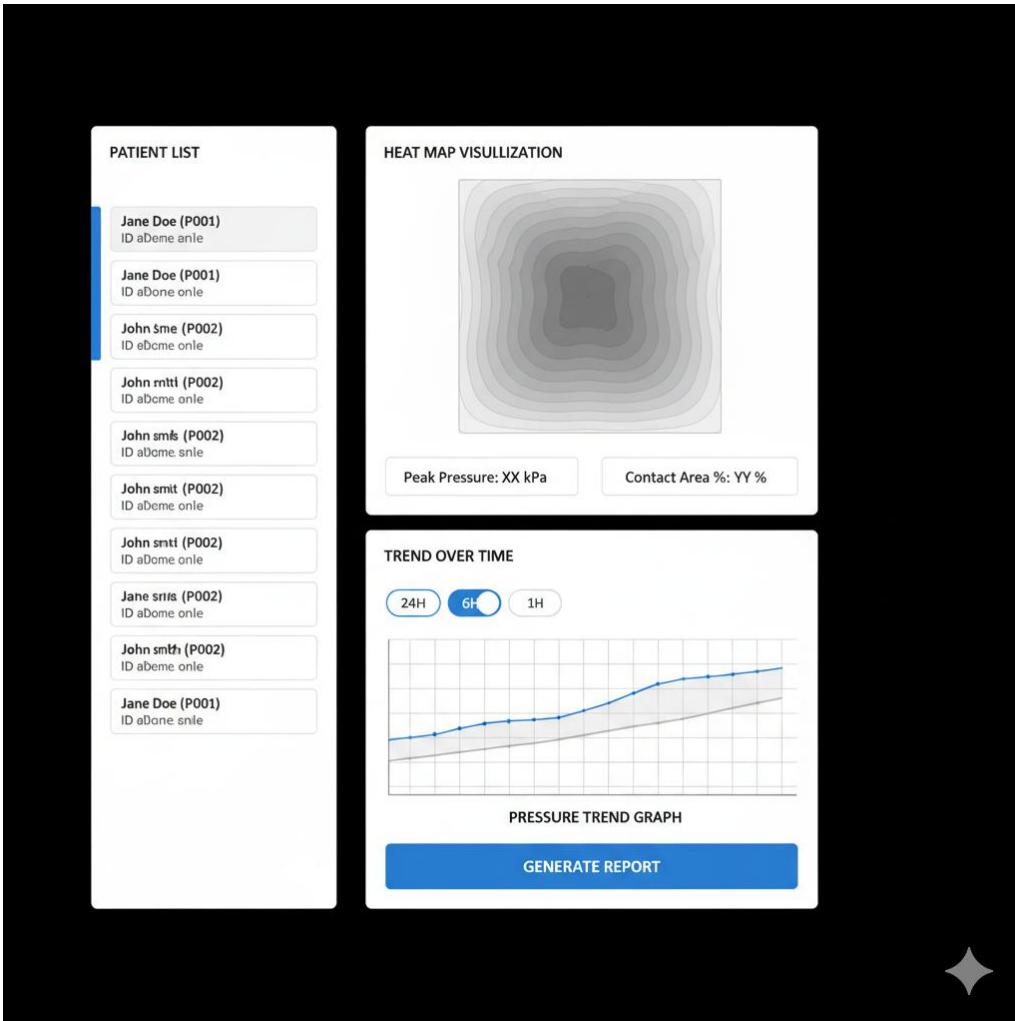
User Table

	User ID	Role	Status	Status	Date Created	Last Login
<input checked="" type="checkbox"/>	U1001	Admin	Admin	Active	2024-01-15	2024-11-10
<input type="checkbox"/>	U1001	Clinic	Active	Active	2024-02-20	2024-11-10
<input type="checkbox"/>	U1002	Clinic	02-20	Inactive	2024-05-01	2024-11-09
<input type="checkbox"/>	U1003	Read	Inactive	Ind	N/A	N/A
<input type="checkbox"/>	U1004	Clinic	08-10	2024-11-09		...

Pagination Controls

1 2 3

Wireframe 3: Admin Panel



Logbook – Week 2

Week: 2

Topic: Agile Development, User Stories, GitHub Setup

Project: Graphene Trace – Sensore System

Individual Contribution: Amrit Vaswani (Solo)

Summary of Work Done:

- Read and analysed the *Graphene Trace* case study to identify key users and requirements.
- Created 5 detailed user stories for *patient*, *clinician*, and *admin* roles.
- Designed 3 low-fidelity wireframes representing the main system screens.

- Set up a personal GitHub repository and uploaded project documentation.
- Learned to use Git commands: git init, git add, git commit, git push.
- Understood how Agile focuses on iterative improvements using user stories and version control.

Reflection:

I gained a better understanding of how user stories convert practical requirements into software features this past week. For improved teamwork, I learnt how to use GitHub to manage code and documents and create basic wireframes. Despite working alone, I successfully managed my workflow by implementing Agile principles.