

CLIENT'S BACKGROUND

The patients at AZ Hospital Trust each had 1 hour appointments which had led to a lengthy surgical waiting list, affecting their eligibility for surgery. Our client wanted a system to make this process more efficient in identifying patients who need early assessments. The hospital's POA process was previously inefficient as large amounts of time were dedicated to assessing patients who did not need the appointments. This system allows the Trust to efficiently decide which patients are eligible for surgery. This is done by patients answering the POA questionnaire through the system.

STAKEHOLDERS

- 1) Admin user - Sarah is the admin user, she monitors the whole system.
- 2) Doctors - Will is the main doctor who can assign pre-operative assignments to patients.
- 3) Patients - Beth is one of the first patients to experience using the digital system.

SOFTWARE CAPABILITIES

- Users' authentication and authorisation
- Creation of patients' and doctors' accounts by an admin user
- Admins update information on patients
- Doctors view patient records
- Doctors assign POAs to patients
- Patients view their profiles
- Patients complete POA questionnaires

LEGAL, SOCIAL, ETHICAL & PROFESSIONAL ISSUES

- A legal issue related to copyright may arise as our preoperative assessment questionnaire is heavily inspired by the NHS's existing preoperative assessment. The use of copyrighted material without permission could violate The Copyright, Designs & Patents Act 1998, resulting in significant fines, the removal of the digital preoperative assessment, and other potential legal consequences.
- Our system could face issues with accessibility, a social concern that is critical to ensure all users including those with disabilities can use the website effectively. The website may be challenging for some users, for example users with visual impairments may find it difficult to interact with the system as there is insufficient support for them.
- The General Data Protection Regulation (GDPR) is an ethical issue that emphasises the importance of protecting individuals' personal data and privacy. The database for our system needs to be better protected as it contains information about our patients and highly sensitive medical information. Violating GDPR rules could result in personal information being accessed by unauthorised personal and loss of trust from users.

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Welcome, Patient Beth11

Your Appointments

Upcoming Appointments

Need To Complete

Pre-operative assessment

View Your Profile

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Notifications

Surgery Decision

Surgery Proposed: Yes
The doctor has proposed a surgery for you. Click [here](#) to view your surgery details.

Pre Operative Assessment Decision

POA Assigned: Yes
The doctor has assigned a Pre-Operative Assessment for you. You can access the Questionnaire from your dashboard.

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Proposed Surgeries

Create New Surgery

First Name	Surname	Surgery Name	Eligible?	Actions	Questionnaire	Answers
Beth	Jones	Arm Surgery	Unknown	Update Delete	Assigned	Not completed
Alex	Smith	Leg Surgery	Unknown	Update Delete	Assigned	Not completed
Zara	Khan	Brain Surgery	Yes	Update Delete	Assigned	Review Answers
Sam	Saxton	Knee Surgery	Unknown	Update Delete	Assigned	Review Answers
Max	Buckley	Knee Surgery	Unknown	Update Delete	Assign Questionnaire	Not completed

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Pre-operative Assessment

Pre-operative Assessment

Basic Details

Medical History

Additional Details

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Basic Details

Questionnaire Completion Date (dd/mm/yy)
20/03/24

Surname
Jones

First Name
Beth

Address
12 Green Street

Date of Birth (dd/mm/yy)
18/12/02

Sex

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Appointments

Create New Appointment

Date	Time	Patient Name	Actions
2024-04-13	11:00	Zara Khan	Update Delete
2024-05-24	10:00	Max Buckley	Update Delete
2024-12-06	01:00	Beth Jones	Update Delete
2024-08-25	10:30	Sam Saxton	Update Delete

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