QA Challenge UpHill

At UpHill, we believe technology should enhance healthcare capacity and use automation to let professionals focus on what matters most - the patients. Our mission is to empower healthcare professionals to deliver the best care through advanced, safe, accessible web and mobile solutions.

Scenario

You have joined a team who owns the Healthcare professionals experience, focusing on one of the core product areas at UpHill - Patients Journeys. Through Patients Journeys, healthcare professionals could track, observe, and take actions to support patients throughout their treatment journeys.

One of the team goals is to improve QA processes to catch, report and prevent issues early, while enabling engineers to confidently and efficiently deliver new features to production. We need you to own the initiative and lead the team to achieve its goal.

The challenge will be divided in two tasks: on the first one you should write a document; on the second one you should develop automated tests.
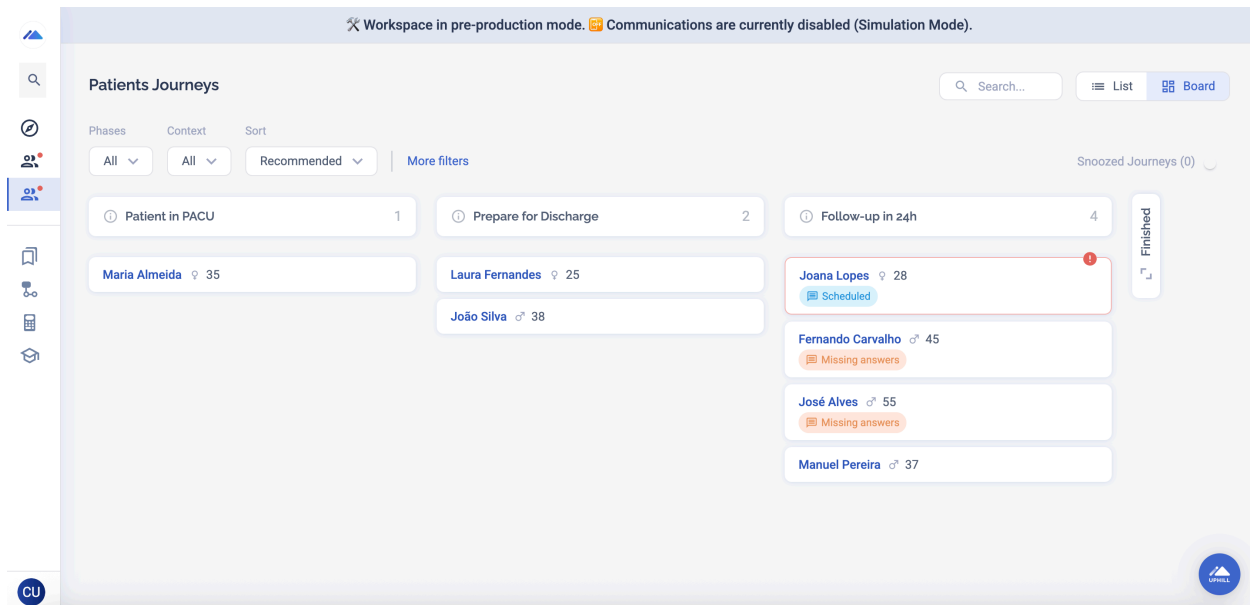
Task 1: Draft a high-level QA and Automation strategy

Write a QA and Automation strategy document that outlines your approach to establishing the foundation of QA Processes and Automation Testing for the project.
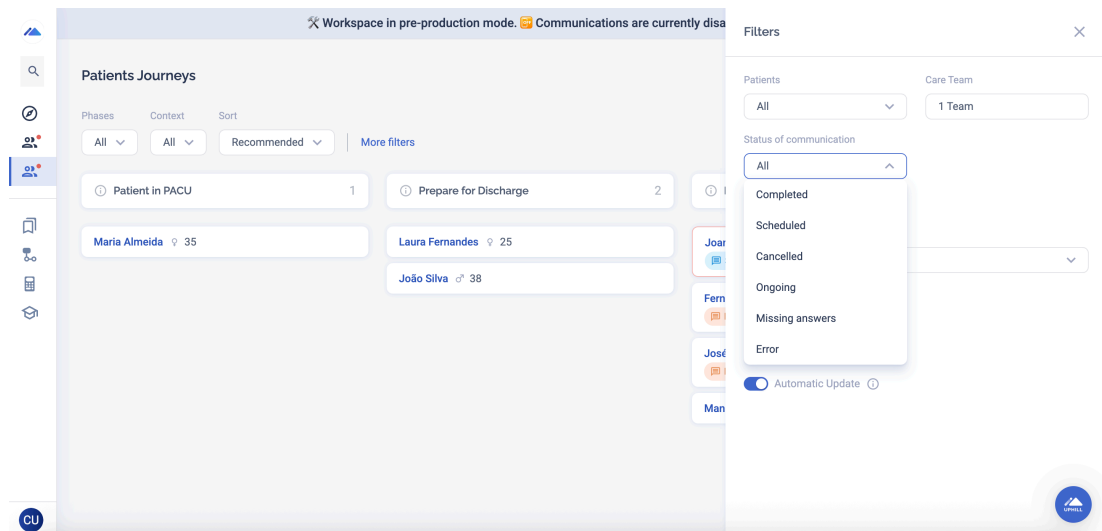
Your document should include:

- Core testing principles and methodologies

- Selection and rationale for testing tools and frameworks

- Proposed test architecture and project structure

- Integration with CI/CD pipelines

- Test automation prioritization strategy

- Key performance indicators (KPIs) to measure success
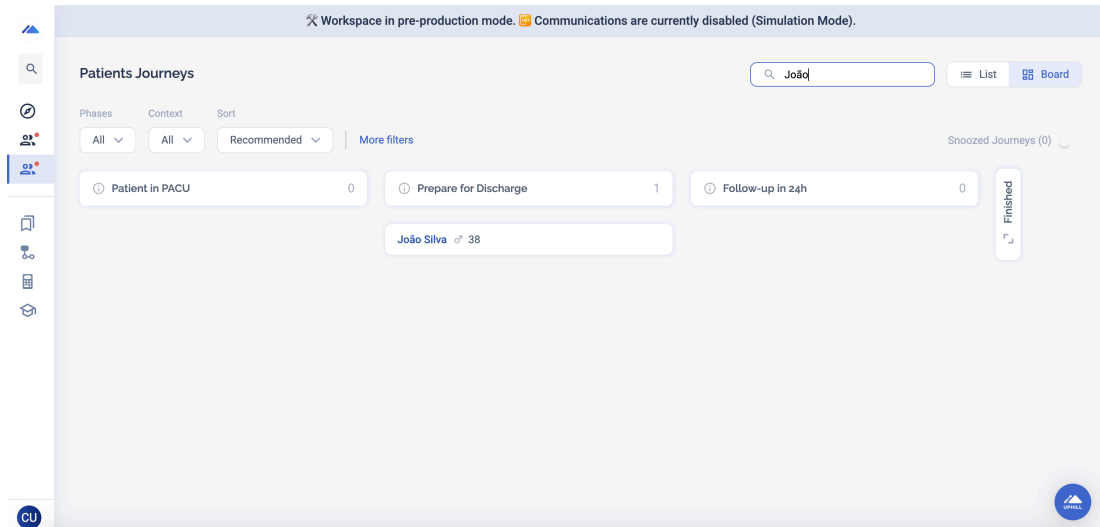
Task 2: Write Automated Tests

For the scope of this task, we want to focus on two main components: Patients Journeys View and Localization.
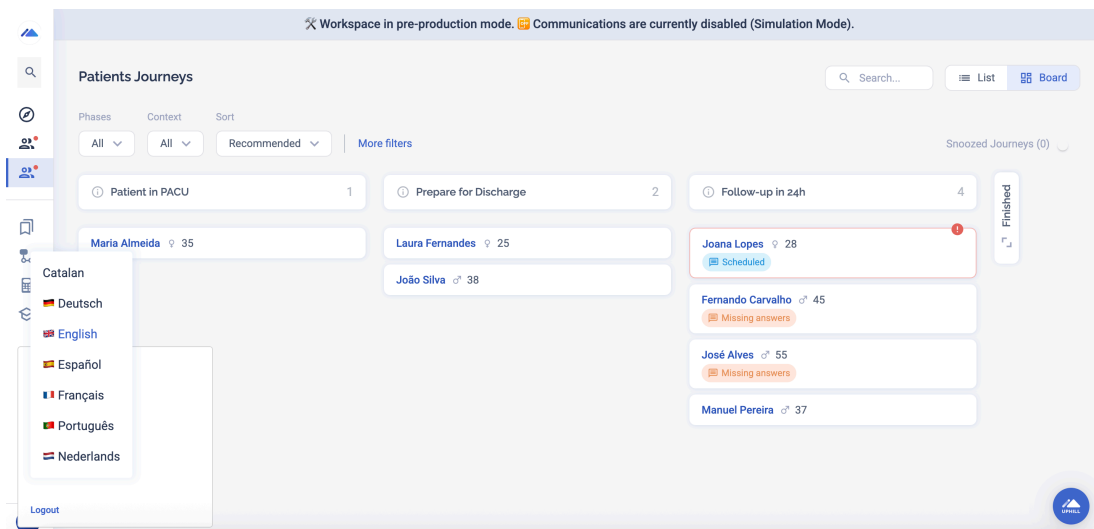

- Patients Journeys View
  - As a healthcare professional, I should be able to filter patients by Communication Status, under "more filters" option.
    - Hint: Any patient journey has a single Communication Status.

  - As a healthcare professional, I should be able to search patients by their name.

- As a system, it should alert users if it fails to fetch search results due to internet connection.

- Patients Journeys View Localization

  - As a healthcare professional, I should be able to change the language between PT and EN.

  - As a healthcare professional, I should be able to view Patients Journeys in the selected language.

Deliverables

- Write 5 automated E2E tests. Preferably using Cypress.

- Identify bugs and generate a QA report.

- **Bonus:** Document test cases that are important to be covered in the future. Preferably following BDD format with Gherkin syntax.

Testing Environment

- You could access the testing environment using the following url: https://uphillhealth.com/uphillchallenge/desk?routePackageId=ROUTE_PACKAGE_AS_CHALLENGE&page=0&tab=2&phasesIds=*

- Login to the environment using the credentials provided through email

Deliverables

- A link to a private Github repo, with:

  - Github Workflow set up to run the test cases

  - README file with instructions on how to run the project and its overarching architecture

- A link to the QA & Automation Strategy Document.

We expect the challenge to be submitted **within 1 week**. After we receive your submission, we'll schedule a meeting for you to discuss the submission.

The challenge is designed to be done at your own pace. If it takes longer than expected, feel free to include your approach for the remaining parts along with your completed work.

Please feel free to ask any questions you have through email.

Looking forward to your submission!

UpHill Team