

Front-End Take-Home Test

Design a visually appealing and user friendly medical lab workflow system.

The system shall provide a user interface whereby a user can initiate a “case analysis” work-flow by creating a new “case” and upload images of things (such as photos of tissue), annotate the images after they are uploaded, and also provide general notes about the case.

Cases must proceed through 3-5 steps or statuses:

- created/initiated
- submitted
- resubmitted with changes (optional flow)
- approved
- rejected (optional)

The user interface should provide a way to view all currently created cases, filter them by their status, and view/edit the case details. An “initiated” case can only proceed to “submitted”, “submitted” and “resubmitted with changes” can only proceed to “approved” or “rejected”, “rejected” can only proceed to “resubmitted with changes”. Once a case is “approved” the case details should no longer be editable. All 5 statuses must be implemented in order to support the primary or optional flows, i.e.

- created submitted approved (primary)
- created submitted rejected resubmitted with changes approved (optional)

You may use any languages or frameworks of your choice to complete the exercise (we use React, Python and Node).

The exercise should take several hours to a day to complete, maybe a little longer if you're having fun. There isn't a hard timeline for completing the exercise, but let us know if you think it will take you longer than 5 days to return your solution back to us. Please provide your code as either an email attachment or link to a code repository such as Github or GitLab. Please also provide a README that describes how to run the code, as well as some of your design decisions, trade-offs, or remaining TODOs.

Must Have:

- pleasant and intuitive UI
- image upload with annotations and general notes
- enforced case status transitions
- case list with filtering
- case edit/detail view

Bonuses:

- tests
- database persistence
- user login

Please don't hesitate to contact us if you have any questions.