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## Introduction

### Problem Description

There is an overview available at this link:

<https://drive.google.com/file/d/1f6M5tRb6LnxxTMknhRtvrNdP6GSa1Vv/view?usp=sharing>

There seems to be a contradiction between this link and the video demo. In the demo, the assessment is initiated by scanning a QR code. In the overview, the assessment is via email receipt 4x per year.

There is a solution that allows for both of these to be the case. For now I will focus on link and QR generation. It is likely that existing systems can be used to send the link to patients

### Notes

- We require an interface for providers to manage the patients in their care. I will ask jinwoo what staff roles we are expecting at the clinic. Maybe Amy knows?
- Examine current authentication practices

- Examine current practices regarding availability of information based on user role. Specifically in the case of conditional list retrievals. Perhaps instead of passing a param with the user id, we can just check the authenticated user withing the controller on the backend. This seems more secure it's a check we'd have to make anyway regardless if we rely on parameters otherwise, anyone could access anything if another users id was exposed and this is not protected information.
- Think about workflow for QR code generation
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## Terminology

- New terms you come across as you research your design or terms you may suspect your readers/stakeholders not to know.

## User Stories and Technical Requirements

### Patient Stories

1. User initiates the assessment there are 2 possible routes for this to happen:
  1. user receives a link in their email which they follow to the assessment page.
  2. user scans a QR code with their mobile device or provided mobile device. The device then navigates to an assessment page.
2. Upon navigating to the link there are two possibilities,
  1. Either there is an un-finalized assessment saved from a previous session. In which case the user will be prompted to continue the previous or start a new assessment. If the user

chooses to start a new assessment, the un-finalized one will be discarded.

2. In the case that there is no un-finalized assessment, a new one will be created.

3. The user is presented with a series of questions, shown one at a time with two prominent navigation buttons.

1. Upon clicking next, the current assessment is updated using selected answers.

2. Clicking the back button shows the user the previous question in the sequence with the answer they selected

4. Upon completing the assessment, the patient is prompted to review their answers. After reviewing their answers they may either revise or submit

1. Upon submission, the assessment is finalized. Until then it exists in an un-finalized state.

## **Provider Stories**

### **Main Workflow**

Description of the provider's main workflow:

1. Provider authenticates with their clinic's version of Mindvitals.

2. Upon authentication, the provider is directed to the patient dashboard. Where they see a list of the patients in their care.

3. Clicking on the patient's row will direct the user to a detail page for that patient

4. Each patient has an action button associated with them. Clicking a patient's action button shows 3 options to initiate a survey.

1. Text

2. Email

### 3. QR code

5. In each case we are using the same generated link as the source
6. In the case of text and email, a snackbar will be enqueued with the delivery notification
7. In the case of the QR code, it will display on the provider's screen for the patient to capture on either their mobile device or one provided by the provider.

## Patient detail page

1.

## Personnel Management

## Patient Management

### Required APIs

Relevant Stories	Verb	Route	Description
Patient 2.1, 2.0,	GET	/assessments/:patient_id	Retrieve assessment given patient
Patient 2.2	POST	/assessments/:patient_id	Create assessment for unspecified patient

Relevant Stories	Verb	Route	Description
Patient 3.1, 4.0, 4.1	PUT	/assessments/:assessment_id	Update assessment data by id
Provider(Main) 2.0	GET	/patients/	Retrieve patient information for the authenticated user
Provider 4.0, 7.0	POST	/actions/notify/:patient_id/:method	Send notification via specified method (email, text, etc.) to patient's assessment



## Data Model

## Architecture

## Component Hierarchy

## State Management

## Non-Goals or Out of Scope

- Product and technical requirements that will be disregarded

## Future Goals

- Product and technical requirements slated for a future time

## Assumptions

- Conditions and resources that need to be present and accessible for the solution to work as described.