





















T	Key	Summary	Parent	Description
	COV-157	As a Doctor, I want to view a list of my Patients, so that I can easily navigate to their specific detailed views	 Patient Management	<p>Definition of done: A Doctor should be able to view a table of their patients with a link to a page containing a list of that patients test results and a link to a page containing a list of that patients statuses.</p> <div><p>Requirements:</p><p>Front end:</p><ul style="list-style-type: none">Should only be accessible to doctor, health official, and immigration officer role<p>API:</p><ul style="list-style-type: none">GET to /patientsBody: NoneCheck if role through jwtReturn status 200<ul style="list-style-type: none">doctors → get their patientshealth officials, immigration officers → get all patientsList of patient info<ul style="list-style-type: none">nameemailpatientid<p>Specifications</p><p>https://docs.google.com/document/d/1VYFUgmq8AmBMqNGYsUccmAzsCzrorz7rf1pVv_yIFh4/edit?usp=sharing</p><p>Personas (accessible by):</p><ul style="list-style-type: none">DoctorHealth officialImmigration officer</div>
	COV-124	As a Patient, I want to view the details of a single COVID test result, so that I'm aware of my diagnosis	 Patient Management	<p>Definition of done: A Patient should be able to view all information associated with a single covid test result.</p> <div><p>Requirements:</p><p>Front end:</p><ul style="list-style-type: none">Should only be accessible to patient role and doctor role<p>API:</p><ul style="list-style-type: none">GET to /tests/:testIdBody: NoneCheck if id in jwt is patient id or if patient id is assinged to doctor id in the jwtReturn status 200<ul style="list-style-type: none">Details of a single test<p>Specifications:</p><p>https://docs.google.com/document/d/1UMpubgcigZ_9IM2Rm3e8S81n_jpxbLhEFzXeo1iHEuA/edit?usp=sharing</p><p>Personas (accessible by):</p><ul style="list-style-type: none">PatientDoctorHealth Official</div>




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	COV-123	As a Patient, I want to view all my line item COVID test results, so that I'm aware of my diagnosis	 Patient Management	<p>Definition of done: A patient should be able to access a page with a line item list of their covid test results.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> Should implement UI design Should only be accessible to patient role or doctor <p>API:</p> <ul style="list-style-type: none"> GET to <code>/tests/patients/:patientId</code> Body: None Check if patient id is the same id as in the JWT or if patient id is a patient of the doctor Return status 200 <ul style="list-style-type: none"> List of covid test results ordered by date desc (newest at the top) <p>Specifications:</p> <p>https://docs.google.com/document/d/1FmayxU7gUpP7raHPtVXu9tbJJuMTFfIXLruvvH5eDOXQ/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Patient </div>
	COV-122	As a Patient, I want to be able to generate a QR code for a lab test result, so that I can share it with others	 QR Code System	<p>Definition of done: A patient should be able to generate a QR code containing the URL of the page of one of their covid test result.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> Anyone with access to this page (patients and doctors) should be able to generate the QR code QR code just contains the URL to that page <p>Specifications:</p> <p>https://docs.google.com/document/d/1h2zv5NTLIVDHRbvXGt_RVvk7vsnGdbelklmGjQz8WZH4/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Patient Doctor Health Official </div>
	COV-121	As a Patient, I want to be able to generate a QR code for a status report, so that I can share it with others	 QR Code System	<p>Definition of done: A patient should be able to generate a QR code containing the URL of the page of one of their status reports.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> Anyone with access to this page (patients and doctors) should be able to generate the QR code QR code just contains the URL to that page <p>Specifications:</p> <p>https://docs.google.com/document/d/1LhHw1bJ5ob6lPl2yUIGFaqbPhfTYs9BmzehvfdK47g4/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Patient Doctor Health Official </div>

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	COV-115	As a Doctor, I want to mark a Patient's status update as "Reviewed", so that I can see which statuses I've already seen	 Status Management	<p>Definition of done: A doctor should be able to mark a patients status as reviewed so that they can organize themselves better and see which statuses are new or the ones they have yet to see.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> This is augmenting the view where the doctor can see the most recent line item statuses of their patients. <p>Back end:</p> <ul style="list-style-type: none"> Endpoint for a doctor to mark a status as reviewed <ul style="list-style-type: none"> PUT to <ul style="list-style-type: none"> /statuses/:statusId/reviewed Body: {reviewed: boolean} Add route verification for “is status associated to patient, is patient associated to doctor” Returns status 204 <p>Database</p> <ul style="list-style-type: none"> new column in the statuses table for is_reviewed BOOLEAN NOT NULL <p>Specifications:</p> <p>https://docs.google.com/document/d/1YsY4wT_vBrnST_Wcn4dBK-mRHjdZjv8qkg7dh-Y_W08/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Doctor </div>
	COV-114	As a Doctor, I want to flag certain patients, so that their updates are prioritized over others	 Patient Management	<p>Definition of done: A doctor, health official, or immigration officer should be able to flag patients so that their statuses appear on the top of the list.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> The flag can be added or deleted by clicking the button <p>Back end:</p> <ul style="list-style-type: none"> Endpoint for a Doctors, health officials, and immigration officers to set a prioritization flag on a patient <ul style="list-style-type: none"> PUT to <ul style="list-style-type: none"> /patients/:patientId/prioritize Body: {prioritized: boolean} <ul style="list-style-type: none"> False → not prioritized True → prioritized Add route verification for “is health official, immigration officer, or is doctor assigned to patient” Returns status 204 <p>Database:</p> <ul style="list-style-type: none"> Add new column in patients table is_prioritized BOOLEAN NOT NULL <p>Specifications:</p> <p>https://docs.google.com/document/d/1ix18zZqyFehyL9MjzLmFdutuEybzsGb-LyL3KGsGGIq/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Doctor Health Official </div>

T	Key	Summary	Parent	Description
	COV-113	As a Doctor, I want to view a line item list of my patients with their most recent line item status update, so that I can keep track of any updates	 Status Management	<p>Definition of done: A doctor should be able to view a page with a line item list of their patients most recent status updates</p> <div><p>Requirements:</p><p>Front end:</p><ul style="list-style-type: none">• The list items should not be clickable, adding a clickable detailed view for each patient is added in another story• Page should be accessible by doctors<p>Back end:</p><ul style="list-style-type: none">• Endpoint for a doctors patients status will include a doctorId query parameter<ul style="list-style-type: none">◦ GET to<ul style="list-style-type: none">▪ /statuses◦ Body: None◦ Add route verification for “ doctor id in query param match id in JWT”◦ Return the all statuses for each patient sorted by date desc (filtered by doctor id)<ul style="list-style-type: none">▪ Each status should contain all necessary info to populate the front end table◦ Returns status 200<ul style="list-style-type: none">▪ List of patient statuses<p>Specifications:</p><p>https://docs.google.com/document/d/1W8lAQvndubudsyev1aGKnrvAa8sO1CuUfDE9YQ0Zndc/edit?usp=sharing</p><p>Personas (accessible by):</p><ul style="list-style-type: none">• Doctor</div>
	COV-112	As a Patient, I want to view the details of a single status report of a Patient, so that I can view their progress at a point in time	 Status Management	<p>Page for patient, doctor, health official</p> <p>Definition of done: A Patient should be able to view all information associated with a single status report.</p> <div><p>Requirements:</p><p>Front end:</p><ul style="list-style-type: none">• Should only be accessible to patient role, doctor role, and health official role<p>API:</p><ul style="list-style-type: none">• GET to /statuses/:statusId• Body: None• Check if id in jwt is patient id or if patient id is assigned to doctor id in the jwt or health official id in jwt• Return status 200<ul style="list-style-type: none">◦ Details of a single status report<p>Specifications:</p><p>https://docs.google.com/document/d/1D4WMm8lQKqgRA-0vEC7D-py8LL5iwfon1eoFBuGLUOw/edit?usp=sharing</p><p>Personas (accessible by):</p><ul style="list-style-type: none">• Patient• Doctor• Health Official</div>

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	COV-111	As a Patient, I want to view all my line item statuses, so that I can monitor my progress over time	 Status Management	<p>Definition of done: A Patient should be able to view a table page of a line item list of all their status reports.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> Should be accessible to patient role, doctor role <p>API:</p> <ul style="list-style-type: none"> GET to <code>/statuses/patients/:patientId</code> Body: None Check if id in jwt is patients id Return status 200 <ul style="list-style-type: none"> List of patients status reports ordered by date desc <p>Specifications:</p> <p>https://docs.google.com/document/d/1l_JJyLDn6o3lEMXGwQ7fRRlIFtdAHB0pb9nlxtw74is/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Patient </div>
	COV-108	As a Patient, I want to update my status for the day after already submitting, so that my Doctor stays up to date	 Status Management	<p>Definition of done: A patient should be able to submit more than one status report per day.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> N/A <p>API:</p> <ul style="list-style-type: none"> Update and remove restriction on API blocking a user from making multiple status reports in a single day </div>
	COV-107	As a Health Official, I want to input COVID test results, so that I can report if a Patient tested positive or negative	 Patient Management	<p>Definition of done: A health official or doctor should be able to submit a form that details the results of an externally taken Covid test to persist the data in the system for a patient.</p> <div> <p>Requirements:</p> <p>Front end:</p> <ul style="list-style-type: none"> Add page to navbar “submit test result” Implement all form fields and data validation Should only be accessible by doctors and health officials <p>API:</p> <ul style="list-style-type: none"> POST to <code>/tests/patients/:patientId</code> Body: Fields of form with input Should check id in jwt is doctor and patient id is assigned to them or health official Store result in new db table Return status 201 <p>Database:</p> <ul style="list-style-type: none"> Create new db table <code>test_results</code> <ul style="list-style-type: none"> Columns for <ul style="list-style-type: none"> testId primary key patientId all other form fields <p>Specifications:</p> <p>https://docs.google.com/document/d/1hO9E-5gEwXObLIHmCw3Wkhr8rV5nfwBvnHCImHR6-w/edit?usp=sharing</p> <p>Personas (accessible by):</p> <ul style="list-style-type: none"> Doctor Health Official </div>

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✓	COV-213	Setup and configure application deployment	🔧 Project Infrastructure	Requirements: <ul style="list-style-type: none"> The entire application should be deployed on AWS using <ul style="list-style-type: none"> ECR ECS + Fargate The deployment process should be documented The docker images should be deployable through ECR
✓	COV-212	Create UI prototype for "contact trace result" page	🔧 Contact Tracing	UI Prototype: <ul style="list-style-type: none"> Filters <ul style="list-style-type: none"> Result Date (w/ range) Table <ul style="list-style-type: none"> Checkbox Contact Date Patient Name + Email Address Date of Birth Gender Phone Notify icon (action)
✓	COV-211	Create UI prototype for "contact trace" patient list page	🔧 Contact Tracing	UI Prototype: <ul style="list-style-type: none"> Filters <ul style="list-style-type: none"> Result Date (w/ range) Table <ul style="list-style-type: none"> Checkbox Result Date Patient Name + Email Address Date of Birth Gender Phone Contacts icon (action)
✓	COV-210	Create UI prototype for "location report" page	🔧 Contact Tracing	UI Prototype: <ul style="list-style-type: none"> Form <ul style="list-style-type: none"> Location (Address) Menu <ul style="list-style-type: none"> Add Location
✓	COV-195	Add more complex and large scale data generation scripts	🔧 Project Infrastructure	<p>We want to be able to generate more fake data for all our schema so that when testing our app we have a lot of different cases to work with. These scripts should be very customizable so we can chose how much data to input depending on the environment.</p>
✓	COV-192	Create UI prototype for Doctor and Patient "view appointments" page	🔧 Appointments	UI Prototype <ul style="list-style-type: none"> Doctor <ul style="list-style-type: none"> patient name + email date + time location Patient <ul style="list-style-type: none"> doctor name + email date + time location

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<input checked="" type="checkbox"/>	COV-190	Create UI prototype for Doctor "book an appointment" page	 Appointments	<div>UI Prototype<ul style="list-style-type: none">• Add option in patient list for only positive patients• Patient list → add appointment (if positive)• Form<ul style="list-style-type: none">◦ Date◦ Time (2 inputs: from and to)◦ Location (address fields)</div>
<input checked="" type="checkbox"/>	COV-188	Create UI prototype for patients "mark message priority level" button	 Messaging System	<div>UI Prototype:<ul style="list-style-type: none">• Flag icon in textbox• Chat<ul style="list-style-type: none">◦ red background• Contact list bar<ul style="list-style-type: none">◦ urgent unread message: red circle + number◦ unread message: blue circle + number</div>
<input checked="" type="checkbox"/>	COV-187	Create UI prototype for doctor and patients "chat" page	 Messaging System	<div>UI Prototype:<p>Similar to https://pixinvent.com/demo/vuexy-react-admin-dashboard-template/demo-1/apps/chat</p><ul style="list-style-type: none">• See list of all patients/doctor• Search• All messages on load for all contacts (doctor)• Decide between sidebar and navbar</div>