




















T	Key	Summary	Parent	Description
	COV-223	As an Immigration Officer, I want to view the patients list, so I can be aware of test results and prioritize them	 Status Management	<p><b>Definition of done:</b> An Immigration Officer should be able to view a list of patients in the system but only their identifiable information and test results.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>• update patient list page to have dynamic menu item visibility depending on the user role</li> <li>• Relevant pages <ul style="list-style-type: none"> <li>◦ Patient list</li> <li>◦ Patient test results</li> <li>◦ Test result details</li> </ul> </li> </ul> <p><b>Back end</b></p> <ul style="list-style-type: none"> <li>• Update any API endpoint related to the pages to allow access for immigration officers</li> <li>• No new endpoints should need to be created</li> <li>• The immigration officers will have the same data as the health officials</li> </ul> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/1Gz1alwcxNxBtoL-YoTgScYyQz4NLIRsK9bDcCViY88I/edit?usp=sharing">https://docs.google.com/document/d/1Gz1alwcxNxBtoL-YoTgScYyQz4NLIRsK9bDcCViY88I/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>• Immigration Officer</li> </ul> </div>
	COV-222	As a Doctor, I want to define status report fields from the patient list page	 Status Management	<p><b>Definition of done:</b> A doctor should be able to define the status report fields for a patient without having to manually input their patient id</p> <div> <p><b>Requirements:</b></p> <p><b>Front end</b></p> <ul style="list-style-type: none"> <li>• integrate the define status report fields page with the patient list</li> <li>• Remove the navbar link for the old page</li> <li>• Update page route to include the patient id so we can prefill it in the API</li> </ul> <p><b>Back end</b></p> <ul style="list-style-type: none"> <li>• API should be functioning and normal no back end work should be required</li> </ul> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/1tvUcHNK6HVxYmF53Q3Z6MDn392bciqL1_rnrMd0CaAE/edit?usp=sharing">https://docs.google.com/document/d/1tvUcHNK6HVxYmF53Q3Z6MDn392bciqL1_rnrMd0CaAE/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>• Doctor</li> </ul> </div>

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	COV-172	As a Patient, I want to add the locations of where I have been during the day, so that I can be contact traced if I come in contact with someone that has tested positive with COVID-19	 Contact Tracing	<p><b>Definition of done:</b> A patient should be able to add a location report multiple times a day and select the date they were at the location.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>New page with a form to input address</li> <li>On submit <ul style="list-style-type: none"> <li>Show toast</li> <li>Reset form</li> </ul> </li> </ul> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>endpoint to add new location report <ul style="list-style-type: none"> <li>POST to <code>/location_report</code></li> <li>Body <ul style="list-style-type: none"> <li>address fields</li> </ul> </li> <li>Returns status code 201</li> </ul> <p><b>Database:</b></p> <ul style="list-style-type: none"> <li>new table called <code>location_reports</code> <ul style="list-style-type: none"> <li>columns <ul style="list-style-type: none"> <li>patientId FK to patients table</li> <li>addressId FK to addresses table</li> </ul> </li> </ul> </li> </ul> <p><b>Specifications</b></p> <p><a href="https://docs.google.com/document/d/1ISsk4IrbPKPILSRoreY4N2zxP28TSOMEpwRneQQRQ_s/edit?usp=sharing">https://docs.google.com/document/d/1ISsk4IrbPKPILSRoreY4N2zxP28TSOMEpwRneQQRQ_s/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>User</li> <li>Patient</li> </ul> </li></ul></div>
	COV-171	As a Health Official, I want to view a list of all patients who have tested positive in the last [x] days, so that I can contract trace them	 Contact Tracing	<p><b>Definition of done:</b> A Health Official should be able to view a list of positive patients and filter the list by a date range.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>Page with data table of patients</li> <li>Date range picker</li> </ul> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>endpoint to get patients who's last test was positive in date range <ul style="list-style-type: none"> <li>GET to <code>{{/patients?status=postive&amp;testDateFrom=Unknown macro: {from}&amp;testDateTo=Unknown macro: {to}}}</code></li> <li>Body <ul style="list-style-type: none"> <li>None</li> </ul> </li> <li>Returns <ul style="list-style-type: none"> <li>status 200</li> <li>List of patients who's last test was positive in that range</li> </ul> </li> </ul> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/1HtXigREozTG4axqx8wqH1Z1z3EBVayhsiVE9qYLYLDg/edit?usp=sharing">https://docs.google.com/document/d/1HtXigREozTG4axqx8wqH1Z1z3EBVayhsiVE9qYLYLDg/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>Health Official</li> </ul> </li></ul></div>

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	COV-169	As a Doctor, I want to view my appointments, so that I can schedule myself	 Appointments	<p><b>Definition of done:</b> A doctor or patient should be able to view their appointments.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>Adds a new page + table with a list of their appointments</li> </ul> <p><b>Back end:</b></p> <ul style="list-style-type: none"> <li>Endpoint for a user to get their appointments <ul style="list-style-type: none"> <li>GET /appointments</li> <li>Add route verification for “is patient or doctor”</li> <li>Returns <ul style="list-style-type: none"> <li>status 200</li> <li>List of appointments for that user</li> </ul> </li> </ul> </li> </ul> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/1X70ONaP0-sTX_2TIh5iEoOjcD_81YTvXrnqGSwe0wj0/edit?usp=sharing">https://docs.google.com/document/d/1X70ONaP0-sTX_2TIh5iEoOjcD_81YTvXrnqGSwe0wj0/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>Doctor</li> <li>Patient</li> </ul> </div>
	COV-126	As a Health Official, I want to contact trace who a Patient has been in contact with in the last [x] days, so that I can manage who is at risk	 Contact Tracing	<p><b>Definition of done:</b> A Health Official should be able to select a given patient and contact trace them to view all the patients they have been in contact with over a given date range.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>Table containing patients who have been “contact traced” in time range specified</li> <li>Icon by each row to notify user <ul style="list-style-type: none"> <li>Should call notification endpoint</li> </ul> </li> </ul> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>endpoint to get list of patients who have been at the same location on the same calendar day as the target patient within the specified time range <ul style="list-style-type: none"> <li>GET to {{/patients?traceTarget= <div>Unknown macro: {patientId}</div> <div>&amp;testDateFrom= <div>Unknown macro: {from}</div> <div>&amp;testDateTo= <div>Unknown macro: {to}</div> <div>}}</div> </div></div></li> </ul> </li> </ul> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/13BqHRJvUiirZGn8sqP2ZCnbrozDp7rPpKgufjNEc26A/edit?usp=sharing">https://docs.google.com/document/d/13BqHRJvUiirZGn8sqP2ZCnbrozDp7rPpKgufjNEc26A/edit?usp=sharing</a></p> <p><b>Personas:</b></p> <ul style="list-style-type: none"> <li>Health Official</li> </ul> </div>
	COV-125	As a User, I want to a dashboard personalized for my role, so I can have an overview of the system	 Status Management	<p><b>Definition of done:</b> All users should be able to view graphs of data points from the list of most recent statuses and time series graphs for a single patient.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <p><b>Specifications:</b></p> <p><a href="https://docs.google.com/document/d/1k7mehy-0PiTf1Auaq4IAyteuvj1hDZD2GBgrLWD2c4/edit?usp=sharing">https://docs.google.com/document/d/1k7mehy-0PiTf1Auaq4IAyteuvj1hDZD2GBgrLWD2c4/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>Administrator</li> <li>Patient</li> <li>Doctor</li> <li>Health Official</li> <li>User</li> <li>Immigration Officer</li> </ul> </div>

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	COV-120	As a Patient, I want to mark my message with a priority level, so that my Doctor will view it quicker	 Messaging System	<p><b>Definition of done:</b> A patient should be able to mark their message as “priority” before sending so that doctor knows its important.</p> <div><p><b>Requirements:</b></p><p><b>Front end:</b></p><ul style="list-style-type: none"><li>This is augmenting the chat page send bar for the patient only.</li></ul><p><b>Back end:</b></p><ul style="list-style-type: none"><li>Update POST messages endpoint to support a isPriority boolean flag</li></ul><p><b>Database</b></p><ul style="list-style-type: none"><li>new column in the messages table for is_priority BOOLEAN NOT NULL</li></ul><p><b>Specifications:</b></p><p><a href="https://docs.google.com/document/d/1voWDcepvfrUwEOI8nGmXi7_eMVITCqjE7uvvIOlc7nA/edit?usp=sharing">https://docs.google.com/document/d/1voWDcepvfrUwEOI8nGmXi7_eMVITCqjE7uvvIOlc7nA/edit?usp=sharing</a></p><p><b>Personas (accessible by):</b></p><ul style="list-style-type: none"><li>Doctor</li><li>Patient</li></ul></div>
	COV-119	As a Patient, I want to direct message my Doctor, so that I can ask them questions	 Messaging System	<p><b>Definition of done:</b> A patient should be able to message their doctor through the website to ask them questions and the doctor should be able to respond.</p> <div><p><b>Requirements:</b></p><p><b>Front end:</b></p><ul style="list-style-type: none"><li>Should implement the chat page</li><li>Patient should see 1 chat available (doctor)</li><li>Doctor should see many chats available (all their patients)</li></ul><p><b>Specifications:</b></p><p><a href="https://docs.google.com/document/d/1-eOp7mbc4g_DPHw_aCJXns9vgfiEH8UbNSi78Wksc9A/edit?usp=sharing">https://docs.google.com/document/d/1-eOp7mbc4g_DPHw_aCJXns9vgfiEH8UbNSi78Wksc9A/edit?usp=sharing</a></p><p><b>Personas (accessible by):</b></p><ul style="list-style-type: none"><li>Patient</li><li>Doctor</li></ul></div>

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<div>  </div>	COV-116	As a Doctor, I want to book an appointment with a Patient, so that we can discuss their symptoms	<div>  </div> <div>Appointments</div>	<p><b>Definition of done:</b> A doctor should be able to book an appointment with a patient so that they can discuss their symptoms more in depth.</p> <div> <p><b>Requirements:</b></p> <p><b>Front end:</b></p> <ul style="list-style-type: none"> <li>Adds a new form for the doctor to book an appointment with one of their patients</li> </ul> <p><b>Back end:</b></p> <ul style="list-style-type: none"> <li>Endpoint for a doctor to book an appointment               <ul style="list-style-type: none"> <li>POST /appointments</li> <li>Body                   <ul style="list-style-type: none"> <li>patientId</li> <li>date                       <ul style="list-style-type: none"> <li>start</li> <li>end</li> </ul> </li> <li>address</li> </ul> </li> <li>Add route verification for “is patient of doctor”</li> <li>Returns status 201</li> </ul> </li> </ul> <p><b>Database</b></p> <ul style="list-style-type: none"> <li>new table appointments with columns               <ul style="list-style-type: none"> <li>doctor_id</li> <li>patient_id</li> <li>start_date</li> <li>end_date</li> <li>address_id</li> </ul> </li> </ul> <p><b>Specifications</b></p> <p><a href="https://docs.google.com/document/d/1XSpuQnlHnWnvODFoQV5cM6PysjhK6EvAZfMwrX7skF4/edit?usp=sharing">https://docs.google.com/document/d/1XSpuQnlHnWnvODFoQV5cM6PysjhK6EvAZfMwrX7skF4/edit?usp=sharing</a></p> <p><b>Personas (accessible by):</b></p> <ul style="list-style-type: none"> <li>Doctor</li> </ul> </div>
<div>  </div>	COV-183	Create UI prototype for doctor "view graphs of status fields" widgets	<div>  </div> <div>Status Management</div>	<p><b>UI Prototype:</b></p> <ul style="list-style-type: none"> <li>Users/Patients/Immigration Officer/Health Official/Doctor/Admin               <ul style="list-style-type: none"> <li># of total covid cases (in users province): Stats card</li> <li># of confirmed cases per day (in users province): Graph</li> <li># of total confirmed cases by age (in users province): Pie chart</li> <li># of current cases (latest test result = positive) (in users province): Graph</li> </ul> </li> <li>Health Official               <ul style="list-style-type: none"> <li># of status reports in last 24 hours: Stats card</li> <li>Symptom in last 24 hours (primary symptoms: Bar chart/pie chart)</li> <li># of total assigned patients across all doctors: Stats card</li> </ul> </li> <li>Admin               <ul style="list-style-type: none"> <li>Patients per doctor: Stats card</li> <li># of total assigned patients across all doctors: Stats card</li> </ul> </li> <li>Patient               <ul style="list-style-type: none"> <li># of appointments today: Stats card</li> </ul> </li> <li>Doctor               <ul style="list-style-type: none"> <li># of unread status reports: Stats card</li> <li>Symptoms in last 24 hours (primary + secondary symptoms): Bar chart/pie chart</li> <li># of new patients assigned for the day: Stats card</li> <li># of total assigned patients: Stats card</li> <li># of appointments today: Stats card</li> </ul> </li> </ul>
<div>  </div>	COV-132	As a Doctor, I want to send a notification to a Patient, so that they are reminded of an upcoming appointment	<div>  </div> <div>Appointments</div>	<p><b>Requirements:</b></p> <p><b>Back end:</b></p> <ul style="list-style-type: none"> <li>When an appointment is successfully saved in the database the notification service should be called to send a notification to the patient</li> <li>The subject of the email should contain the patients name, doctors name, mention the appointment</li> <li>The body should contain all other relevant info about the appointment</li> </ul>

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✓	COV-131	As a Doctor, I want to be notified when a Patient updates their status more than once in a day, so that I can look into their status	🚀 Status Management	<p><b>Requirements:</b></p> <p><b>Back end:</b></p> <ul style="list-style-type: none"> <li>When a patient makes more than one status report in a single calendar day a notification should be sent to the doctor</li> <li>The subject of the notification should contain the patients name and mention the status update</li> <li>The body should contain all other relevant info about the patient and status update</li> </ul>
✓	COV-130	Create generic SMS notification infrastructure	🚀 Notification System	<p><b>Requirements:</b></p> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>Endpoint to send an sms notification to a user <ul style="list-style-type: none"> <li>This will mainly be used through the service interface by other services not by the front end</li> <li>POST /notifications/sms</li> <li>Body <ul style="list-style-type: none"> <li>toUserId: number → userid notification is being sent to</li> <li>smsBody: string</li> </ul> </li> <li>Returns status code 201</li> </ul> </li> </ul>
✓	COV-129	Create generic email notification infrastructure	🚀 Notification System	<p><b>Requirements:</b></p> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>Endpoint to send an email notification to a user <ul style="list-style-type: none"> <li>This will mainly be used through the service interface by other services not by the front end</li> <li>POST /notifications/email</li> <li>Body <ul style="list-style-type: none"> <li>toUserId: number → userid notification is being sent to</li> <li>emailSubject: string</li> <li>emailBody: string</li> </ul> </li> <li>Returns status code 201</li> </ul> </li> </ul>
✓	COV-117	Create generic direct messaging infrastructure	🚀 Messaging System	<p><b>Requirements:</b></p> <p><b>API:</b></p> <ul style="list-style-type: none"> <li>Get users messages <ul style="list-style-type: none"> <li>GET /messages</li> <li>Route verification for “patients and doctors only”</li> <li>Get messages associated with userId in jwt token</li> <li>Returns <ul style="list-style-type: none"> <li>Status code 200</li> <li>List of messages</li> </ul> </li> </ul> </li> <li>Send a message <ul style="list-style-type: none"> <li>POST /messages</li> <li>Body <ul style="list-style-type: none"> <li>toUserId: number → userid message is being sent to</li> <li>messageBody: string</li> </ul> </li> <li>Route verification for “patients and doctors only”</li> <li>save message in db associated with userid in jwt</li> <li>Returns status code 201</li> </ul> </li> </ul> <p><b>Database:</b></p> <ul style="list-style-type: none"> <li>new table called messages with columns <ul style="list-style-type: none"> <li>from_user_id</li> <li>to_user_id</li> <li>message_body</li> <li>created_on</li> </ul> </li> </ul>