

CS 3200 - Fall 2023

REST API Matrix

Patient

| User Story  | Resource                              | GET  | POST  | PUT  | DELETE               |
|-------------|---------------------------------------|--|---|--|----------------------|
| [patient-6] | /prescriptions/{patientid}            | Return a list of the patient's prescription                      | n/a   | n/a  | n/a                  |
| [patient-3] | /notifications/{patientid}            | Return a list of all <u>unseen</u> notifications                 | n/a   | n/a  | n/a                  |
| [patient-4] | /messages/{patientid}                 | Return all the messages sent to this patient                     | n/a   | n/a  | n/a                  |
| [patient-1] | /healthrecords/{patientid}            | Return a list of all health records for the patient              | n/a   | n/a  | n/a                  |
| [patient-2] | /labresults/notifications/{patientid} | Return all lab detail information for a particular patient       | n/a   | n/a  | n/a                  |
| [patient-3] | /visits/{patientid}                   | Return a list of all visit records for the patient               | n/a   | n/a  | n/a                  |
| [patient-5] | /billingrecords/{patientid}           | Return a list of all billing records associated with the patient | n/a   | n/a  | n/a                  |
| [patient-1] | /wellnessrecords/{patientid}          | Return a list of all wellness goals for the patient              | n/a   | Update wellness goals as completed.                        | n/a                  |
| [patient-4] | /messagedoctor/{patientid}            | n/a  | Sends patient's message to the doctor                   | n/a  | n/a                  |
| [patient-4] | /messagecoach/{patientid}             | n/a  | Sends patient's message to the wellness coach           | n/a  | n/a                  |
| [patient-4] | /messagerep/{patientid}               | n/a  | Sends patient's message to the insurance representative | n/a  | n/a                  |
| [patient-3] | /visitdoctor/{patientid}              | n/a  | Uploads patient's visit with the doctor                 | n/a  | n/a                  |
| [patient-3] | /visitcoach/{patientid}               | n/a  | Uploads patient's visit with wellness coach             | n/a  | n/a                  |
| [patient-3] | /messages/{comid}                     | n/a  | n/a   | Updates message sent by patient                            | n/a                  |
| [patient-1] | /wellnessrecords/{wellnessrecordid}   | n/a  | n/a   | Updates wellness goals as completed or not {completed = 1} | n/a                  |
| [patient-3] | /visits/{visitid}                     | n/a  | n/a   | Cancels visit {canceled = 1}                               | n/a                  |
| [patient-3] | /notifications/{notificationid}       | n/a  | n/a   | n/a  | Deletes notification |

## Doctor

| User Story | Resource                        | GET   | POST   | PUT  | DELETE  |
|------------|---------------------------------|---|--|--|---|
| [doctor-4] | /prescriptions/{doctorid}       | Return a list of the doctor's patients prescription                           | The doctor can prescribe their patient with a prescription | The doctor can set a prescription as inactive (inactive = 1) | n/a   |
| [doctor-5] | /notifications/{doctorid}       | Return a list of all <b>unseen</b> notifications sent by the doctor's patient | n/a  | n/a  | n/a   |
| [doctor-5] | /messages/{doctorid}            | Return a list of all messages affiliated with the doctor's patient            | n/a  | n/a  | Remove a message previously written by the doctor (set as deleted =1) |
| [doctor-1] | /healthrecords/{doctorid}       | Return a list of all health records for the doctor's patient                  | The doctor can post the health records of their patient    | n/a  | n/a   |
| [doctor-3] | /labresults/{doctorid}          | Return all lab detail information for a doctor's patient                      | The doctor is able to share lab results with their patient | n/a  | n/a   |
| [doctor-2] | /visits/{doctorid}              | Return a list of all visits associated with the doctor's patient              | The doctor can add a visit to the system                   | n/a  | n/a   |
| [doctor-6] | /messages/{doctorid}            | Returns messages between a doctor and a patient                               | Send a message between the doctor and rep                  | n/a  | n/a   |
| [doctor-6] | /messagepatient/{doctorid}      | n/a   | Sends message to patient                                   | n/a  | n/a   |
| [doctor-6] | /messagerep/{doctorid}          | n/a   | Sends message to insurance representative                  | n/a  | n/a   |
| [doctor-6] | /messages/{comid}}              | n/a   | n/a  | Updates message  | n/a   |
| [doctor-2] | /visits/{visitid}               | n/a   | n/a  | Cancels visit  | n/a   |
| [doctor-5] | /notifications/{notificationid} | n/a   | n/a  | n/a  | Deletes notification  |

## Wellness Coach

| User Story | Resource                 | GET  | POST | PUT | DELETE |
|------------|--------------------------|--|------|-----|--------|
| [coach-2]  | /notifications/{coachid} | Return a list of all <b>unseen</b> notifications sent by the coach's patient | n/a  | n/a | n/a    |

|           |                                       |   |   |   |                      |
|-----------|---------------------------------------|---|---|---|----------------------|
| [coach-2] | /messages/{coachid}                   | Return a list of all messages affiliated with the coach's patient                   | Post a message to the coach's patient   | n/a   | n/a                  |
| [coach-2] | /visits/{coachid}                     | Return a list of all visits associated with the coach's patient                     | The coach can add a visit to the system | The coach can cancel the visit (cancel = 1) | n/a                  |
| [coach-1] | /healthrecords/{coachid}/{patientid}  | Return a list of all the client health records that have (coach enabled, coach = 1) | n/a                                     | n/a   | n/a                  |
| [coach-4] | /wellnessrecords/{coachid}            | Return a list of all wellness goals for the patient                                 | The coach can add a goal                | The coach can update a goal                 | n/a                  |
| [coach-2] | /messages/{comid}                     | n/a   | n/a                                     | Updates message                             | n/a                  |
| [coach-2] | /deletenotifications/{notificationid} | n/a   | n/a                                     | n/a   | Deletes notification |

#### Insurance Provider:

| User Story | Resource                            | GET   | POST   | PUT   | DELETE |
|------------|-------------------------------------|---|--|---|--------|
| [rep-2]    | /insuranceplans/{repid}/{patientid} | Look at the insurance plan provided to the patient by the rep                                   | The rep can add an insurance plan for a patient but is limited to just one plan per patient at a time. | The insurance rep can update the insurance plan | n/a    |
| [rep-2]    | /insuranceplan                      | Provides a list of all unique insurance plans available   | n/a  | n/a   | n/a    |
| [rep-1]    | /healthrecords/{repid}/{patientid}  | Returns a list of all health records of the patient that the rep is authorized to see (rep = 1) | n/a  | n/a   | n/a    |
| [rep-3]    | /billingrecord/{repid}/{patientid}  | Return the billing records of a particular patient that a rep has                               | Can add a new record to the billing records  | Can set a billing record as paid (paid = 1)?    | n/a    |
| [rep-4]    | /messages/{repid}/{doctorid}        | Returns messages between a rep and a doctor   | Send a message between the rep and doctor  | n/a   | n/a    |
| [rep-4]    | /messages/{repid}/{patientid}       | Returns messages between a rep and a patient  | Send a message between the rep and patient   | n/a   | n/a    |
| [rep-4]    | /messages/{comid}                   | n/a   | n/a  | Update a message to a doctor                    | n/a    |