# BackEnd (NodeJs)

### ‘/patient’

* GET(/patient)
  + Retrieve all the patients that are in the database.
  + 200 , Successfully retrieved all the patients.
  + 404 , Error occurred while retrieving the patients.
* GET(/patient/{id})
  + Retrieve the specific information about a patient in the database.
  + 200 , Successfully retrieved the message.
  + 400, Error occurred while retrieving the patient info.
* POST(/patient/{verify})
  + Check if the patient already exists in the database.
* POST(/patient)
  + Generate a JWT token that contains the patient info which can be sent for verification. Also send an email that contains a JWT token to the patient who asked for registration.
  + 200 , Generated token and sent email.
  + 400 , Email already exists.

### ‘/patient-login’

* POST(/patient-login)
  + Authorize a patient user to login to their account.
  + 200 , Successfully authorized . Along with a jwt token signed with patient id and first name.
  + 404 , No patient exists.
  + 401 , Wrong password has been provided.

### ‘/request\_access’

* POST(/request\_access)
  + Record a request for access in the database and send an acknowledgement mail to the user who made the request.
  + 200 message has been saved and email sent.
  + 500 , Error has occured trying to record the request.

### ‘/verified’

* POST(/verified)
  + Verify the integrity of the JWT token and save the patient in the database on success.
  + 200 , successfully verified and saved the patient.
  + 400 , user already exists in the database.
  + 500 , error occured trying to save the patient inn the dataase.

### ‘/contact\_us’

* POST(/contact\_us)
  + Record a contact us request in the database and send an acknowledgement email to the user who made the request.
  + 200 , Succesfully saved the request in the database.
  + 500 , Error occured in trying to the request.

### ‘/careers’

* POST(/careers/jobposting)
  + Create a new job opening in the database.
  + 200 , Success.
  + 500 , Error.
* GET(/careers/jobposting)
  + Retrieve all the job openings in the database
  + 200 , Success
  + 404 , Error
* GET(/careers/jobposting/{jobcategory})
  + Retrieve all the job openings in the database with a particular jobcategory.
  + 200, Success
  + 404, Error
* POST(/careers/jobcategory)
  + Create a new job category in the database.
  + 200, Success.
  + 500, Error.
* GET(/careers/jobcategory)
  + Retrieve all the job categoriesin the database
  + 200, Success
  + 404, Error
* GET(/careers/jobposting/job/{jobId})
  + Retrieve the info of a particular jobposting in the database.
  + 200, Success
  + 404 , Error
* POST(/careers/jobapplication)
  + Saves a job application to the database
  + 201 , Success.
  + 500 , Error.
* GET(/jobapplication/{filename})
  + Retrieve the resume of a particular jobapplication.
  + 404 , Error
  + 200 , Open download stream
* GET(/files)
  + Retrieve the list of resumes available in the database.
  + 404 , Error
  + 200 , Success

### ‘Reset\_password’

* POST(/reset\_password)
  + Generate a jwt token upon request for resetting password and email it to owner of account.
  + 401 , Invalid email provided.
  + 200 , JWT created and email sent.
* POST(/reset\_password/check)
  + Check the validity of the AES encrypted JWT token.
  + 401 , Invalid email provided.
  + 200 , JWT created and email sent.
* POST(/reset\_password/change\_password)
  + Update the password of the corresponding email id provided as part of the payload in the JWT token.
  + 500 , Error occured while trying to update the password.
  + 200 , Record has been successfully updated.
  + 404 , Email has not been found.

### ‘/backend/healthcare’

* POST(/backend/healthcare/account/create)
  + Request the creation of healthcare account, send an email for verification.
  + 400 , User already exists.
  + 500 , Mail could not be sent.
  + 200 , Successfully sent the verification mail.

- POST(/backend/healthcare/account/verify)

* + Verify and save the healthcarea ccount user.
  + 200 , User created.
  + 500 , Error occured trying to save the user.
  + 400 , User already exists.

### ‘/backend/healthcare-login’

* POST(/backend/healthcare-login)
  + Authorize a patient user to login to their account.
  + 200 , Successfully authorized . Along with a jwt token signed with patient id and first name.
  + 404 , No patient exists.
  + 401 , Wrong password has been provided.
* POST(/backend/healthcare-login/verifytokenintegrity)
  + Checki if the integrity of the jwt token is intact.
  + 200 , Successfully verified.
  + 400 , Bad request.
  + 401 , Integrity not intact.

### ‘/backend/deactivate’

* POST(/backend/deactivate/patient)
  + Deactivate the account of a patient portal user.
  + Achieved by moving out a patient object from Patient database into DeactivatedPatient database
  + 200, Successfully deactivated the patient
  + 500, An error occurred trying to perform the request
  + 404, Patient not found

### ‘/backend/reactivate’

* POST(/backend/reactivate/patient/request)
  + Make a reactivation account for a patient portal User
  + Will send an email to the respective owner to verify that the right owner is making the reactivation request
  + 200, Successfully executed the request and sent mail.
  + 404, patient portal user not found.
* POST(/backend/reactivate/patient/activate)
  + Activate the account of a patient portal user after verifying the JWT token provided.
  + Achieved by moving the patient object from DeactivatedPatient database to the Patient database.
  + 200, Successfully reactivated the patient.
  + 500, An error has occurred trying to perform the request.
  + 404, Patient not found.