**REST API DOCUMENTATION**

**1) API endpoints (routes)**

|  |  |  |
| --- | --- | --- |
| **Endpoint** | **Parameters expected** | **JSON** response |
| /specializations  (returns all available specializations in the system) | none | {‘data’ : list of specializations}  Eg:  {  "data": [  "dentist",  "dermatologist",  "cardiologist"  ]  } |
| /doctors  (returns all doctors of specialization equal to the chosen one) | {‘specialization: *chosen\_specialization*}  Eg: {‘specialization: ‘dentist’} | {‘data’ : list of doctors’ JSON objects}  Eg:  {  "data": [  {  "id": 1,  "name": "mark",  "specialization": "dentist"  },  // other doctors as JSON objects  ]  } |
| /dr\_appointments  (returns all free appointments of the chosen dr) | {‘option\_id’: 0 or 1  ‘dr\_id’: chosen\_dr\_id  ‘appointment\_id’: appointment\_id}  Eg:  {‘option’: 0,  ‘dr\_id’: 1}  or  {‘option‘: 1,  appointment\_id’: 3}  **Note: you either send the dr\_id or the appointment\_id, if you will send the appointment\_id set option to 1, if otherwise set option to 0** | {‘data’: list of doctor’s free appointments as JSON objects}  Eg:  {  "data": [  {  "appointment\_id": 3,  "end\_date": "2020-12-30T04:25:47.028308",  "start\_date": "2020-12-30T04:25:47.028308",  "status": "free"  },  // another appointment  ]  } |
| /normal\_appointment  (creates normal appointment) | {‘appointment\_id’ : appointment\_id,      ‘patient\_id’ : patient\_id,      ‘patient\_name’ : patient\_name,      ‘patient\_age’ : patient\_age,      ‘patient\_email’ : patient\_email,      ‘patient\_phone\_number’ : patient\_phone\_num,      ‘specialization’ : specialization} | {‘status’: ‘False’}  or  {‘status’: ‘False’}  True: appointment created  False: didn’t |
| /urgent\_appointment  (created urgent appointment) | {‘patient\_id’ : patient\_id,      ‘patient\_name’ : patient\_name,      ‘patient\_age’ : patient\_age,      ‘patient\_email’ : patient\_email,      ‘patient\_phone\_number’ : patient\_phone\_num,      ‘specialization’ : specialization} | Same as above |
| /update\_appointment  (update current appointment with a new one) | {‘old\_appointment\_id’ : old\_appointment\_id,  ‘new\_appointment\_id’ : new\_appointment\_id} | Same as above |
| /retrieve\_patient\_appointments  (retrieves all this patient’s appointments) | none | {‘data’: list of patient appointments}  See JSON response below the table |
| /cancel\_appointment | {‘appointment\_id’ : appointment\_id}  Eg:  {‘appointment\_id’ : 3} | Same as the appointment creation response |

{

"data": [

{

"appointment\_type": "normal",

"patient\_age": 30,

"patient\_email": "x@domain.com",

"patient\_name": "another name",

"patient\_phone\_number": null,

"specialization": "dentist"

},

{

"appointment\_type": "normal",

"patient\_age": 30,

"patient\_email": "ashraf@domain.com",

"patient\_name": "ashraf",

"patient\_phone\_number": null,

"specialization": "dentist"

}

]

}

**2) Expected parameters data types**

specialization, patient\_name, patient\_email ---> string

dr\_id, appointment\_id, patient\_id, patient\_age, patient\_phone\_number --->integers

**3) Notes for frontend developers**

**3.1) create normal appointment:**

1) on load: /specialization -> populate the retrieved specializations list in the menu

2) When a specialization is selected, (/doctors) set params to {‘specialization: *chosen\_specialization*}

3) Populate the returned list of doctors in the doctors menu

4) When a doctor is selected, (/dr\_appointments) set params to {‘option’: **0**, ‘dr\_id’: selected dr id}

5) Populate the returned list of appointments in the appointments menu

5) When an appointment is selected (/normal\_appointment) set params to:

{‘appointment\_id’ : appointment\_id,

    ‘patient\_id’ : patient\_id,

    ‘patient\_name’ : patient\_name,

    ‘patient\_age’ : patient\_age,

    ‘patient\_email’ : patient\_email,

    ‘patient\_phone\_number’ : patient\_phone\_num,

     ‘specialization’ : specialization}

**3.2) create urgent appoint:**

(/urgent\_appointment)

Same as the create normal appointment flow, but skip step 3, and don’t pass ‘appointment\_id’ in the params

**3.3) cancel appointment:**

1) Retrieve all this patient’s appointments -> (/retrieve\_patient\_appointments)

2) Populate the retrieved patient appointments in the HTML menu (select tag)

3) When the user selects an appointment to cancel, store the appointment\_id

4) (/cancel\_appointment) ---> set params to {‘appointment\_id’ : appointment\_id}

**3.4) update the appointment’s date only:**

1) Retrieve all this patient’s appointments -> (/retrieve\_patient\_appointments)

2) Populate the retrieved patient appointments in the HTML menu (select tag)

3) When the user selects an appointment to update, store the appointment’s id as old\_appointment\_id

4) (/dr\_appointments) set the request’s paramers to {‘option’: **1**, ‘old\_appointment\_id’: old\_appointment\_id}

5) After the above request receive from server {‘data’ : list of free appointments}

6) (/update\_appointment) set params to {‘old\_appointment\_id’ : old\_appointment\_id,

‘new\_appointment\_id’ :the selected appointment from the above list}

**3.5) The other update scenarios:**

1) Retrieve all this patient’s appointments ---> (/retrieve\_patient\_appointments)

2) Populate the retrieved patient appointments in the HTML menu (select tag)

3) When the user selects an appointment to update, store the appointment’s id as old\_appointment\_id

4) Maybe move to a new update menu similar to the create appointment page, but **without** filling user details (email, age, email, number, name)

5) ( /specialization) ---> populate the retrieved specializations list in the menu

6) (/doctors) set params to {‘specialization: *chosen\_specialization*}

7) Populate the returned list of doctors in the doctors menu

8) When a doctor is selected, (/dr\_appointments) set params to {‘option’: **1**, ‘dr\_id’: selected dr id}

9) Populate the returned list of appointments in the appointments menu

10) (/update\_appointment) set params to {‘old\_appointment\_id’ : old\_appointment\_id,

‘new\_appointment\_id’ :the selected appointment from the above list}