**Documentation :**

**APIs:**

1. **list\_of\_doctors**: This API provides list if all the doctors that are registered in the hospital with all their details such as : First Name, last Name, email, phone Number, array of availability for various dates.

Eg : GET: ‘/list\_of\_doctors’

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| - | - |  |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  Message : “Error Listing doctors” |
| 200 | success : 1  Info :[  {  "\_id": "5c7c30be85044c7174e6f030",  "firstName": "XYZ",  "lastName": "Thakkar",  "email": "xyz@gmail.com",  "phoneNumber": 1234509876,  "\_\_v": 0,  "availability": []  },  ] |

2. **/get\_doctors\_hours/:id/:date :** ThisAPI provides the list of all the available time a doctor is available at a particular date with the details such as: date, start time, end time.

Eg: POST ; ‘ /get\_doctors\_hours/012345678/2019-03-04’

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | object | Doctor’s unique id |
| date | String | Particular date for which we want to see the working hours. |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  Message : “Error in Listing Doctors  Available hours “ |
| 200 | success : 1  info :[  {  "availability": [  {  "\_id":  "5c7c311985044c7174e6f037",  "date": "2019-05-01",  "startTime": "10:00",  "endTime": "16:00"  }  ]  }  ] |
| 200 | success : 1  Info : [] |

**3. /doctoravailability :** This API is used to update or create the available hours for a doctor for a particular date. If available hours for this dates are already specified they are updated to the new hours given and if they are not already specified then they are created. In addition to this, if a doctor is booked for a particular time and if doctor updates his/her availability which do on fall into the booked timing all the bookings which do not fall into the updated list will get cancelled and doctor will get the list of all that patients.

Eg. POST : ‘/doctoravailability’ {

"id" : "5c7c309685044c7174e6f02e",

"date" : "2019-03-01",

"startTime" : "09:00",

"endTime": "12:00"

}’

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| id | object | Doctor’s unique id |
| date | String | Particular date for which we want to create or update the availability. |
| startTime | String | start time for which we want to create or update the availability. |
| endTime | String | End time for which we want to create or update the availability. |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  message : “Error in changing availability” |
| 403 | Error in cancelling booking |
| 200 | success : 1  message : “Availability added successfully |
| 200 | success : 1  message : “Availability changed with some cancelled bookings”.  cancelled\_Bookings :  [ { \_id: 5c7dab72ff17480704658a41,  doctorId: 5c7c309685044c7174e6f02e,  patientId: 5c7c4633d3e3f6661143cc9c,  appointmentDate: '2019-03-01',  aStartTime: '9',  aEndTime: '12',  \_\_v: 0 } ] |

**4. /bookappointment :** This API allows patients to book doctor’s appointment for a specific date.

Eg: POST : ‘bookappointment’ {

"doctorId" : "5c7c309685044c7174e6f02e",

"patientId" : "5c7c4633d3e3f6661143cc9c",

"date" : "2019-03-01",

"startTime": "13:00",

"endTime": "14:00"

}

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| doctorId | object | Doctor’s unique id |
| patientId | object | Patient’s unique id |
| date | String | Date of the booking |
| startTime | String | start time of the booking |
| endTime | String | End time of the booking. |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  message : “Error in booking doctor’s availability” |
| 200 | “Doctor is not available at this time” |
| 200 | success : 0  message : “Time slot already booked” |
| 200 | success : 0  message : “Appointment booked successfully” |

5. **/createdoctor:** This API creates an entry for doctor with details such as doctor name, email, phone number.

Eg: POST : ‘createdoctor’ {

"firstName" : "John",

"lastName" : "Doe",

"email": "john@gmail.com",

"phoneNumber": "4997878897"

}

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| firstName | String | Doctor’s First Name |
| lastName | String | Doctor’s Last name |
| email | String | Unique mail Id of doctor |
| phoneNumber | String | Phone number of the doctor |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  message : “Error in creating doctor” |
| 200 | success : 1  message : “Doctor added successfully” |
| 200 | success : 0  message : “Doctor already exists” |

6. **/createpatient:** This API creates an entry for patient with details such as name, email.

Eg: POST : ‘createpatient’ {

"firstName" : "David",

"lastName" : "Doe",

"email": "david@gmail.com",

}

**Parameters :**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| firstName | String | Patient’s First Name |
| lastName | String | Patient’s Last name |
| email | String | Unique mail Id of patients |

**Response :**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 403 | success : 0  message : “Error in creating patient” |
| 200 | success : 1  message : “Patient added successfully” |
| 200 | success : 0  message : “Patient already exists” |