**HTTP-API**

# REST-API

Die Schnittstelle ist als REST-API aufgebaut. Folgende Befehle werden verwendet:

|  |  |
| --- | --- |
| HTTP Befehl | Verwendung |
| HTTP GET | Anfordern von Daten, Auslösen einfacher Aktionen |
| HTTP POST | Anlegen von Daten |

## Administrator API

Standard Administrators’ View (HTML) with error/success message in view is always returned.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /admin/ | GET |  |  |
| /admin/hospital/create/ | POST | Username, Name, Latitude, Longitude | Creates a hospital |
| /admin/hospital/delete/ | GET | Hospital ID | Deletes a hospital |
| /admin/doctor/create/ | POST | Username, Password, Title, First Name, Last Name | Creates a doctor |
| /admin/doctor/delete/ | GET | Doctor ID | Deletes a doctor |
| /admin/patient/create/ | POST | Password, first Name, Last Name, Latitude, Longitude | Created a patient |
| /admin/patient/delete/ | GET | Patient ID | Deletes a Patient |

## Doctor API

Standard Doctors’ View (HTML) with personal OP-Slots is always returned.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /doctor | GET | Doctor ID | View with all OP Slots from Doctor |
| /doctor | POST | Doctor ID, Time from, Time to, Hospital ID, Patient ID, Type | Filtered List of OP Slots is returned |
| /doctor/reserve/ | POST | Start Date, End Date, Patient ID, Doctor ID, Type, Required minimum time, Maximum Distance | Reservation request will be sent to Allocator. |
| /doctor/remove\_reservation/ | GET | OP Slot ID | Reservation will be removed |

## Public API

Standard Doctors’ View (HTML) with personal OP-Slots is always returned.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| / | GET |  | View with all OP Slots |
| / | POST | Start Date, End Date, Patient ID, Doctor ID, Type, Required minimum time, Maximum Distance | Filtered List of OP Slots is returned |

## Hospital API

Standard Doctors’ View (HTML) with personal OP-Slots is always returned.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /hospital | GET | Hospital ID | View with all OP Slots from Hospital |
| /hospital | POST | Start Date, End Date, Patient ID, Doctor ID, Type, Required minimum time, Maximum Distance | Filtered List of OP Slots from Hospitals is returned |
| /hospital/op\_slot/create/ | POST | Hospital ID, Date, Length, Type | Creates a new OP-Slot |
| /op\_slot/delete/ | GET | OP Slot ID | OP Slot will be removed, if possible |

## Login API

Standard Login View is returned, on successful authentication users will be forwarded.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /login | GET |  | Login View |
| /login/authenticate | POST | Username, Password, Usertype | Login and forward user on success |

## Notifications API

Returns JSON.

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| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /notification/ | GET | Person ID | Returns JSON – all Notifications for this Person (Doctor or Patient). |

## Patients API

Standard Patients View (HTML) with personal OP-Slots is always returned.

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | **HTTP** | **INPUT Parameters** | **Action** |
| /patient | GET | Patient ID | View with all OP Slots from Patient |
| /patient | POST | Doctor ID, Time from, Time to, Date, Hospital ID, Patient ID, Type | Filtered List of OP Slots for this patient is returned |