# Using API

The Coconut Calendar API is REST based, and below is a list of currently implemented functionality.

Results are returned as paged results with a max page size of 100.

## Absences

GET absences.json

|  |  |
| --- | --- |
| public function absencesAll() | Fetch all absences |

GET absences.json?attribute=value

|  |  |
| --- | --- |
| public function absencesByQuery() | Fetch all absences, filtered by query |

## Appointments

GET appointments.json

|  |  |
| --- | --- |
| public function appointmentsAll() | Fetch all appointments |

GET appointments/:id.json

|  |  |
| --- | --- |
| public function appointmentsView() | View an appointment with required id |

GET appointments.json?attribute=value

|  |  |
| --- | --- |
| public function appointmentsByQuery() | Fetch all appointments filtered by query |

PUT appointments/:id.json

|  |  |
| --- | --- |
| public function appointmentsEdit() | Edit an appointment with required id |

POST appointments.json

|  |  |
| --- | --- |
| public function appointmentsAdd() | Create a new appointment, but is currently restricted to individual appointments. Requires the following data to be posted:   * **staff\_id** { int } * **location\_id** { int } * **service\_id** { int | array } * **start** { Y-m-d H:i:s datetime} * Client   + **first\_name** { string }   + **last\_name** { string }   + **email** { string } |

## Availability

GET availabilities.json?attribute=value

|  |  |
| --- | --- |
| public function availabilitiesByQuery() | Dynamically generated request. This response is in real time, and represents a staffs availability with respect to other calendar events.   * **start** { Y-m-d date } * **end** { Y-m-d date } * **location\_id** { int } * **duration** { int } → Conditional. Required only if service is not specified * **service\_id** { int } → Conditional. Required only if staff and duration are not provided * **staff\_id** { int } → Conditional. Not required if ‘preferred’ is *false* * **group** { boolean } → Requesting for a group booking? * **preferred** { boolean } → Requesting availability for a preferred staff member? If false, availability for all possible staff members will be returned |

## Clients

public function clientsAll()

public function clientsByQuery()

public function clientsView()

## Locations

public function locationsAll()

public function locationsByQuery()

public function locationsView()

## Login

public function loginSearchIndex()

## Services

public function servicesIndex()

public function servicesAll()

public function servicesByQuery()

public function servicesView()

## Staff

public function staffAll()

public function staffByQuery()

public function staffView()

## Vendors

public function vendorsAdd()

public function vendorsByQuery()