Gratis Appointment API

API General Information

This is the specification for the autoWALL appointment API, which contains a set of endpoints related to scheduling appointments. All responses are in JSON, as are the request bodies for any POST endpoints.

Credentials

Domain(s) – The API url(s) you have access to should have been provided to you.

Username and password for your Gratis account will also be provided.

Authentication

All endpoints use basic authentication, where the username and password are those of the Gratis account that has been provided to you.

Get OpCodes Endpoint
Path: /gs-appointment-api/getOpCodes
HTTP method: GET

Parameter Name	Data Type	Description	Business Rules
DealerId	Int	Id for the intended dealer	Required

Request Example:
https://example.gratis/gs-appointment-api/getOpCodes?dealerId=1

Response Structure:

Property Name	Parent Property	Data Type	Description
ops	-	JSON Object	Op code Data
opCode	ops	String	The op code
description	ops	String	Description of service

Response Example:
```
{
        "success": true,
        "message": "",
        "ops": [
                {
```

```
                "opCode": "01 HVP2",
                "description": "OIL AND FILTER CHANGE"
        },
        {

                "opCode": "01 HVP2",
                "description": "OIL AND FILTER CHANGE"
        },
        {

                "opCode": "01*",
                "description": "MY CAR NEEDS ROUTINE MAINTENANCE"
        },
        {

                "opCode": "Q2095",
                "description": "TIRE ROTATION AND BALANCE"
        },
        {

                "opCode": "Q2095",
                "description": "TIRE ROTATION AND BALANCE"
        },
        {

                "opCode": "Q2000",
                "description": "TIRE ROTATION"
        },
        {

                "opCode": "Q2000",
                "description": "TIRE ROTATION"
        },
        {

                "opCode": "90*",
                "description": "I HAVE A RECALL"
        },
        {

                "opCode": "Q5010",
                "description": "I NEED AN ALIGNMENT"
        }
    ]
}
```

Lookup Customer Endpoint

Path: /gs-appointment-api/lookupCustomer
HTTP method: GET

Parameter Name	Parent Property	Data Type	Description	Business Rules

| dealerId | - | Int | Id for the intended dealer | Required |
| phoneNumber | - | String | Phone number of customer you are looking up. | Required |

Request Example:

https://example.gratis/gs-appointment-api/lookupCustomer?dealerId=2&phoneNumber=4238675309

Response Structure:

Property Name	Parent Property	Data Type	Description
customer	-	Object	Customer Data
id	customer	Int	Id of customer
firstName	customer	String	Customer first name
lastName	customer	String	Customer last name
emailAddress	customer	String	Customer's email
phoneNumber	customer	String	Customer's phone number
vehicles	customer	Object	List of customer-owned vehicles
vin	vehicle	String	Vin of vehicle
year	vehicle	Int	Year of vehicle
make	vehicle	String	Make of vehicle
model	vehicle	String	Model of vehicle
mileage	vehicle	Int	Mileage of vehicle
recalls	vehicle	Object	List of recalls for vehicle
campaignNumber	recall	String	NHTSA Campaign #
actionNumber	recall	String	NHTSA Action #
reportDate	recall	Date	Date of Recall Report
component	recall	String	Affected component
summary	recall	String	Summary of Recall
consequence	recall	String	Consequence of Recall
remedy	recall	String	Remedy for Recall
notes	recall	String	Recall Notes

declinedServices	vehicle	Object	Declined Services for Vehicle
originalDate	declinedService	Date	Date on declined service
serviceName	declinedService	String	Description of op code
opCode	declinedService	String	The op code
comments	declinedService	String	Comment on the op code
appointments	customer	Object	List of appointments for customer
appointmentId	appointment	Int	Id of appointment
status	appointment	String	Status of appointment. Potential values are "Booked", "Past Date", "RO in progress", "RO closed"
vehicle_year	appointment	Int	Year of vehicle on appointment
vehicle_make	appointment	String	Make of vehicle on appointment
vehicle_model	appointment	String	Model of vehicle on appointment
advisor	appointment	Object	Service advisor data
name	advisor	String	Service advisor's name
id	advisor	Int	Service advisor's id
dateTime	appointment	Date	Scheduled time for appointment
createdTime	appointment	Date	Time when the appointment was created
transportationType	appointment	String	Transportation type for appointment
services	appointment	Object	List of services on the appointment

serviceName	service	String	Description of op code
opCode	service	String	The op code
comments	service	String	Comment on the op code

Response Example:

```
{
        "success": true,
        "message": "",
        "customer": {
                "firstName": "GRATIS",
                "lastName": "TESTER",
                "email": "brenan@gratistech.com",
                "phone": "4238340853",
                "vehicles": [
                        {
                                "vin": "1FTFX1EF0DKD26366",
                                "year": "2013",
                                "make": "FORD",
                                "model": "F-150",
                                "mileage": "12348",
                                "declinedServices": [
                                        {
                                                "originalDate": "2022-12-12",
                                                "serviceName": "Flush Transmission Fluid",
                                                "opCode": "55",
                                                "comments": "..."
                                        }
                                ],
                                "recalls": [
                                        {
                                                "campaignNumber": "19V182000 ",
                                                "actionNumber": "EA15001 ",
                                                "reportDate": "2019-06-03",
                                                "component": "AIR BAGS:FRONTAL:DRIVER SIDE:INFLATOR
MODULE ",
                                                "summary": "Honda (American Honda Motor Co.) is recalling
specific 2003 Acura 3.2CL, 2013-2016 ILX ...",
                                                "consequence": "An explosion of an inflator within the driver
frontal air bag module may result in ...",
                                                "remedy": "Honda will notify owners, and dealers will replace
the driver's air bag ...",
                                                "notes": "Owners may also contact the ..."
                                        }
                                ]
                        }
                ],
                "appointments": [
                        {
                                "id": "54022",
                                "appointment_date_time": "2023-09-21 10:00:00",
```

```
                           "vehicle_year": "2013",
                           "vehicle_model": "F-150",
                           "vehicle_make": "FORD",
                           "created_on": "2023-09-08 06:44:17",
                           "advisorName": "Dalton Harris",
                           "advisorId": "278925",
                           "transportType": "Drop-Off",
                           "services": [
                                  {
                                          "serviceName": "OIL AND FILTER CHANGE",
                                          "opCode": "00",
                                          "comments": ""
                                  },
                                  {
                                          "serviceName": "CUSTOMER STATES PERFORM CAMPAIGN
172",
                                          "opCode": "172",
                                          "comments": ""
                                  }
                           ]
                    }
              ]
       }
}
```

Create Customer Endpoint

Path: /gs-appointment-api/createCustomer
HTTP method: POST

Parameter Name	Parent Property	Data Type	Description	Business Rules
dealerId	-	Int	Id for the intended dealer	Required
firstName	-	String	First name of customer	Required
lastName	-	String	Last name of customer	Required
phoneNumber	-	String	Phone number of customer you are looking up.	Email or phone Required
emailAddress	-	String	Email address of customer	Email or phone Required

Request Body Example:
{
  "dealerId": 2,

```
    "firstName": "Sam",
    "lastName": "McTest",
    "phoneNumber": "4232122112",
    "emailAddress": "example@website.com"
}
```

Response Example:
```
{
        "success": true,
        "message": "New customer created.",
        "customer": {
                "firstName": "Sam",
                "lastName": "McTest",
                "email": "example@website.com",
                "phone": "4232122112"
        }
}
```

Get Availability Endpoint

Path: /gs-appointment-api/getAvailability
HTTP method: POST

Parameter Name	Parent Property	Data Type	Description	Business Rules
dealerId	-	Int	Id for the intended dealer	Required
startDate	-	Datetime	Start of time period to get availability for.	Required; Max range 6 months
endDate	-	Datetime	End of time period to get availability for.	Required; Max range 6 months
opCodes	-	String	Comma delimited list of op codes for the appointment.	
advisorId	-	Int	Specify an advisor id to see their availability exclusively.	
transportationType	-	String	Valid values: PICKUP, WAITER, LOANER	
vehicle	-	Object	Basic vehicle data	
year	vehicle	Int	Year of vehicle.	
make	vehicle	String	Make of vehicle.	
model	vehicle	String	Model of vehicle.	

Request Example:

Request Post Data:

```json
{
   "vehicle": {
      "year": 2011,
      "make": "Mazda",
      "model": "CX-5"
   },
   "opCodes": "Q2095",
   "advisorId": "1298",
   "transportationtype": "",
   "startDate": "2023-09-09",
   "endDate": "2023-09-09"
}
```

Response Structure:

Property Name	Parent Property	Data Type	Description
times	-	Array of datetimes	Times available

Response Example:

```json
{
      "success": true,
      "message": "",
      "times": [
            "2023-09-09 07:45:00",
            "2023-09-09 08:00:00",
            "2023-09-09 08:15:00",
            "2023-09-09 08:30:00",
            "2023-09-09 09:15:00",
            "2023-09-09 09:30:00",
            "2023-09-09 09:45:00",
            "2023-09-09 10:15:00",
            "2023-09-09 10:45:00",
            "2023-09-09 11:15:00",
            "2023-09-09 12:15:00",
            "2023-09-09 12:30:00",
            "2023-09-09 13:00:00",
            "2023-09-09 14:00:00",
            "2023-09-09 14:15:00",
            "2023-09-09 14:45:00",
            "2023-09-09 15:00:00",
```

```
            "2023-09-09 15:15:00",
            "2023-09-09 15:30:00"
        ]
}
```

Book Appointment Endpoint

Path: /gs-appointment-api/bookAppointment
HTTP method: POST

Parameter Name	Parent Property	Data Type	Description	Business Rules
dealerId	-	Int	Id for the intended dealer	Required
dateTime	-	Datetime	Time to schedule the appointment for.	Required; Will be rejected if time is not available.
appointmentId	-	Int	Id of appointment.	Do not include when creating a new appointment.
dmsId	-	String	DMS id of the customer.	
firstName	-	String	Customer's first name	
lastName	-	String	Customer's last name	
comment	-	String	Comment for the appointment.	
email	-	String	Email address of the customer.	
phone	-	String	Phone number of the customer.	
transportationType	-	String	Should match one of the transportation types provided by the 'getAvailability' endpoint.	
opCodes	-	String	Comma delimited op codes that the appointment will use.	
appointmentId	-	Int	Id of appointment that is being updated. If a new appointment is being created, leave this blank.	
vehicle	-	Object	Basic vehicle data	
year	vehicle	Int	Year of vehicle.	

make	vehicle	String	Make of vehicle.	
model	vehicle	String	Model of vehicle.	

Request Example Body :

```
{
    "vehicle": {
        "year": 2002,
        "make": "Ford",
        "model": "Pinto"
    },
    "dealerId": 1
    "dateTime": "2023-09-09 17:00:00",
    "firstName": "John",
    "lastName": "Doe",
    "comment": "Comment for appointment",
    "emailAddress": "customer@email.com",
    "phoneNumber": "4238675309",
    "advisorId": "400",
    "transportationType": "WAITER",
    "opCodes": "LOF,DMX23"
}
```

Response Structure:

Property Name	Parent Property	Data Type	Description
apptId	-	String	Id of the new or updated appointment. Is only present in response if call was successful.
error	-	String	Error message for the creation attempt. Is only present in response if call was unsuccessful.

Response Example:

```
{
        "success": true,
        "message": "",
        "apptId": "19523"
}
```

Cancel Appointment
Path: /gs-appointment-api/cancel
HTTP method: POST

Parameter Name	Parent Property	Data Type	Description	Business Rules
dealerId	-	Int	Id for the intended dealer	Required
appointmentId	-	Int	Id of appointment to cancel	Required

Request Post Data:
```
{
    "dealerId": 2,
   "appointmentId":  19523
}
```

Response Structure:

Property Name	Parent Property	Data Type	Description
apptId	-	String	Id of the new appointment. Is only present in response if call was successful.
error	-	String	Error message for the creation attempt. Is only present in response if call was unsuccessful.

Response Example:
```
{
        "success": true,
        "message": "",
        "apptId": "19523"
  }
```

Get Employees
Path: /gs-appointment-api/getEmployees
HTTP method: GET

Supported Employee Roles: ADVISOR, TECHNICIAN

Parameter Name	Parent Property	Data Type	Description	Business Rules
dealerId	-	Int	Id for the intended dealer	Required

role	-	String	The employee rolesyou want to receive results for. Ex. "ADVISOR", or "TECHNICIAN"	Required

Request URL: /gs-appointment-api/getEmployees?dealerId=2&role=ADVISOR

Response Structure:

Property Name	Parent Property	Data Type	Description
employees	-	Array of employees	Employee results
error	-	String	Error message for the creation attempt. Is only present in response if call was unsuccessful.
role	employee	String	Name of employee's role. Ex. "Technician"
firstName	employee	String	Employee's first name.
lastName	employee	String	Employee's last name.
id	employee	Int	Id to use to book an appointment with the employee.

Response Example:
```
{
        "success": true,
        "message": "",
        "employees": [
                {
                        "firstName": "Samuel",
                        "lastName": "Oats",
                        "role": "ADVISOR",
                        "id": 12001
                },
                {
                        "firstName": "Joeseph",
                        "lastName": "Guy",
                        "role": "ADVISOR",
                        "id": 1414
                }
        ]
}
```