**VistA-REST-Tier API Documentation**

**Version** 1.1

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***The Veni VA Checkin System***

Advanced Software Engineering Project

SE 6387.M01



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# Change Log

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| --- | --- | --- | --- |
| Date | Version | Changed By | Description |
| 22-Apr-2015 | 0.9 | RM | First Draft |
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# Overview

The Veni VistA-REST-Tier API uses REST Architectural Style using python Flask frame work. Some items are not implemented; however, the framework provides a robust framework for continued development

## API Verbs

Consistent with the REST Architectural Style, the VistA-REST Tier API uses the standard HTTP verbs and status codes for its operations. In particular:

|  |  |  |  |
| --- | --- | --- | --- |
| Verb | Action | Returned Status Codes | Notes |
| GET | Retrieve the requested collection or element | 200 – Success  204 – No Content (success, but  404 – Not found | More implementation is needed |

In addition to the status codes listed above, all calls to the VistA-REST Tier API may return one of the following status codes at any time:

* 400 – Bad Request: the request could not be properly recognized (format, syntax, etc.)

## Query Strings

Mainly implemented in the Veni VistA-REST-Tier API is the GET operation with a query string. The query string is used to filter a response from a GET operation.

## Payload Format – Header Specification

VistA-REST Tier clients control the payload format for both requests. Data type used is *JavaScript Object Notation* (or JSON). Headers for example:

* **application/json**

### GET Request Headers:

GET Requests headers still need to be implemented

* + Accepts: application/json

CONTENT-TYPE: header specifying a json format:

* Response
  + Content-Type: application/json

# 

# Resources and Resource Operations

The next sections document the operations on the various Collection Resources and their elements.

## Static web page

* URL: http://54.153.26.158/

displayed: Veni Welcome

## Test Hello call

http://54.153.26.158/hello

response: Hello Welcome to VeniRest sever

## Get appointments for a Veteran

### Operation: GET

* URI: <http://54.153.26.158/getappt?ien=23>
* Response:

EIGHTEEN,PATIENT R APR 22, 2015@19:00^CLINICX MAY 04, 2015@16:00^CLINICX

| |

LASTNAME,FIRSTNAME APPOINTMENT DATE/TIME^CLINIC NAME <-may repeat

## Verify Veteran status

### Operation: GET

* URI: <http://54.153.26.158/verifyID?id=6>
* Response: status:1

A status of 1 means the veteran has access to the VA system. Normally this call would be to an

existing web service available in VA

* <http://54.153.26.158/verifyID?id=7>
* response: status:0

A status of 0 means the veteran does not have access to the VA system. Normally this call would be to an existing web service available in VA

## Check Veteran into clinic

### Operation: GET

* URI: http://54.153.26.158/checkin?ien=2

response: 0^0

A response 0^0 means no clinic found to check in during the current time.

* URI : http://54.153.26.158/checkin?ien=22

response: CLINICX^1

|

Clinic Name^Status

* A status of 0 means check in was unsuccessful
* A status of 1 means check in was successful