

**DVT DRIVESTATS**

Web API



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https://github.com/AxelInd/COS301\_DriveStats

CLIENT: DVT

Version 1.0

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# Drivestats REST API

The Drivestats API allows you to login a user with their Google email address and to upload trips and get the scores from the trips. This is achieved via 2 restful calls to the server.

## Base URL

<http://drivestatstest.cloudapp.net/RestService.svc>

## Login

### URI:

login/{emailAddress}

### Required Parameters

#### GET Parameters

|  |  |
| --- | --- |
| **PARAMETER** | **DESCRIPTION** |
| **emailAddress** | The Google email address will be registered with the server if it is not already |

### Request Parameters

|  |  |
| --- | --- |
| **PARAMETER** | **DESCRIPTION** |
| **userID** | The id must be stored as it is needed t upload a trip |

## Upload trip

### URI:

addtrip/

### Required Parameters

#### POST Parameters

|  |  |
| --- | --- |
| **PARAMETER** | **DESCRIPTION** |
| **userID** | The id has to be already registered |
| **tripeDate** | The date when the trip started in the format(dd/MM/yyyy) |
| **StartTime** | The time the trip started in the format(HH:mm) |
| **data** | The recorded data from the trip which must be in the format:  [longitude, latitude];speed(m/s);xAccelerometer;yAccelerometer;zAccelerometer;  Followed by a new line |

### Request Parameters

|  |  |
| --- | --- |
| **PARAMETER** | **DESCRIPTION** |
| **score** | This will be the calcucated score from the data |