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# DVT DRIVESTATS

## Web API

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[https://github.com/AxelInd/COS301\\_DriveStats](https://github.com/AxelInd/COS301_DriveStats)



DriveStats

Department of Computer Science. University of Pretoria

CLIENT: DVT

Version 1.0

## 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  |
|---------------------|--|
| <b>emailAddress</b> | The Google email address will be registered with the server if it is not already |

### Request Parameters

| PARAMETER     | DESCRIPTION  |
|---------------|--|
| <b>userID</b> | The id must be stored as it is needed to upload a trip |

### Upload trip

URI:

`addtrip/`

### Required Parameters

#### POST Parameters

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

### Request Parameters

| PARAMETER    | DESCRIPTION                                     |
|--------------|---|
| <b>score</b> | This will be the calculated score from the data |