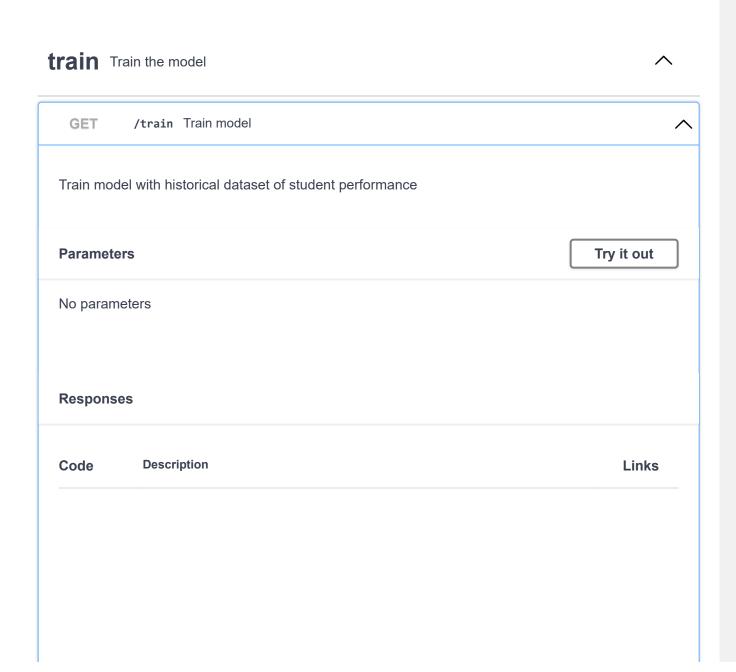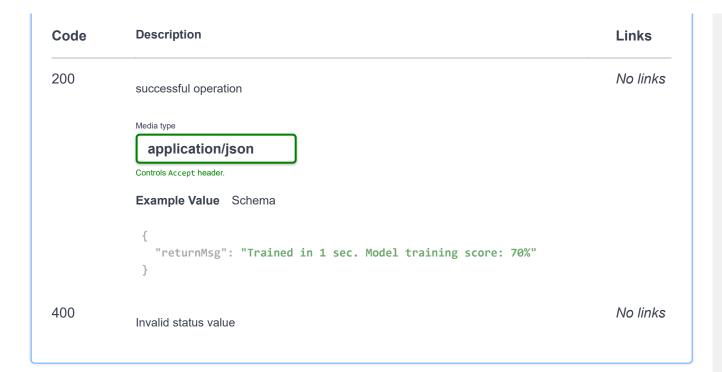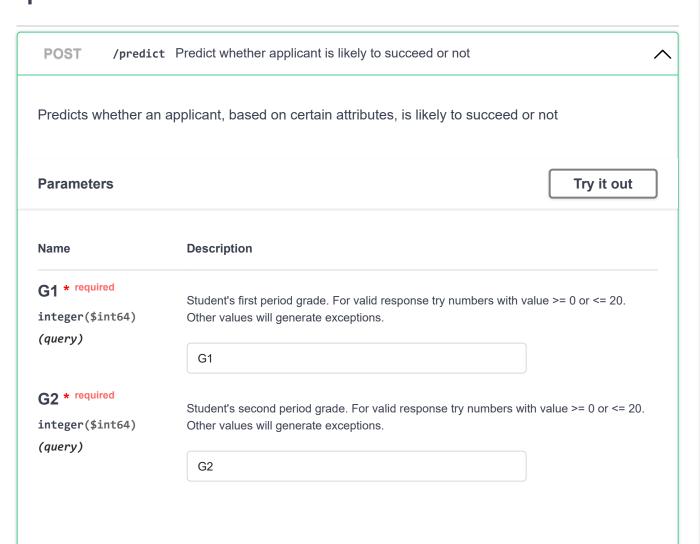# Teedy Microservice API Documentation 1.0.11   OAS3

This is the API documention for a Teedy microservice that predicts which applicants are more likely to succeed, helping the new graduate students admissions process.

train   Train the model   ⌃

GET   /train   Train model   ⌃

Train model with historical dataset of student performance

Parameters   Try it out

No parameters

Responses

Code	Description	Links

Code	Description	Links
200	successful operation	*No links*

Media type

application/json

Controls `Accept` header.

Example Value Schema

```
{
  "returnMsg": "Trained in 1 sec. Model training score: 70%"
}
```

Code	Description	Links
400	Invalid status value	*No links*

predict   Predict whether applicant is likely to succeed or not ∧

POST   **/predict**   Predict whether applicant is likely to succeed or not ∧

Predicts whether an applicant, based on certain attributes, is likely to succeed or not

Parameters   [Try it out]

Name	Description
G1 * required `integer($int64)` *(query)*	Student's first period grade. For valid response try numbers with value >= 0 or <= 20. Other values will generate exceptions. [G1]
G2 * required `integer($int64)` *(query)*	Student's second period grade. For valid response try numbers with value >= 0 or <= 20. Other values will generate exceptions. [G2]

Name	Description
studytime * required `integer($int64)` *(query)*	Student's weekly study time. For valid response try numbers with value >= 1 or <= 4. Other values will generate exceptions. studytime
failures * required `integer($int64)` *(query)*	Student's number of past class failures. For valid response try numbers with value >= 1 or <= 4. Other values will generate exceptions. failures

Responses

Curl

```
curl -X 'POST' \
  'https://editor.swagger.io/predict?G1=10&G2=10&studytime=2&failures=1' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

```
https://editor.swagger.io/predict?G1=10&G2=10&studytime=2&failures=1
```

Server response

Code	Details

Code	Details

404
Undocumented

Error: response status is 404

Response body

```html
<html>
<head><title>404 Not Found</title></head>
<body>
<center><h1>404 Not Found</h1></center>
<hr><center>nginx</center>
</body>
</html>
<!-- a padding to disable MSIE and Chrome friendly error page -->
<!-- a padding to disable MSIE and Chrome friendly error page -->
<!-- a padding to disable MSIE and Chrome friendly error page -->
<!-- a padding to disable MSIE and Chrome friendly error page -->
<!-- a padding to disable MSIE and Chrome friendly error page
<!-- a padding to disable MSIE and Chrome friendly error page
```

Download

Response headers

```
content-encoding: gzip
content-type: text/html
date: Sun,30 Oct 2022 19:36:07 GMT
server: nginx
vary: Accept-Encoding
```

Responses

Code	Description	Links
200	successful operation	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "returnMsg": "Applicant is likely to succeed."
}
```

| 400 | Invalid status value | *No links* |

wipe   Remove the model   ⌃

GET

Wipe the trained model

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	successful operation	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
   "returnMsg": "Model wiped"
}
```

| 400 | Invalid status value | *No links* |