



Fullstack Developer Program
Express Restful API Error Handling

Instruction:

For submission,

1. Upload your source code in a zip file to Talentlabs Classroom. Please don't include the node_modules folder.
2. Upload this document as a PDF file as well.

Task 1 Express Application Generator:

Steps:

1. Execute the command: **npx express-generator --ejs express-lab-9**
2. Change directory into that new folder: **cd express-lab-9**
3. Install all npm packages: **npm install**
4. Start the server
 - Windows PowerShell:
\$env:DEBUG='express-lab-9:*'; npm start
 - Windows Command Prompt:
set DEBUG=express-lab-9:* & npm start
 - MacOs or Linus:
SET DEBUG=express-lab-9:* & npm start

Task 2 Reproduce Lecture Demo

Reproduce the slide 17 signup api:

localhost:3000/signup

POST localhost:3000/signup

Authorization Headers (2) Body Pre-request Script Tests

form-data x-www-form-urlencoded raw binary JSON (application/json)

```
1 {
2   "username": "abc",
3   "password": "123565"
4 }
```

Body Cookies Headers (7) Test Results Status: 400

Pretty Raw Preview

```
{"errors":[{"value":"abc","msg":"Must be an email","param":"username","location":"body"}]}
```

Task 3 Understand Validation

Try to add 2 more parameters to the Signup API

1. first_name
2. last_name

Both of them **should not be empty**.

Task 4 Understand Validation Methods

Look at the “isLength” documentation here

<https://github.com/validatorjs/validator.js#validators>

Try to update the rule for the “password” parameter:

1. At least 5 characters
2. At most 10 characters

Task 5 Understand Special Validation Methods

Actually there is a “isStrongPassword” validator. Try to use this isStrongPassword validator to replace all the existing validators for the “password” field.

