**TASK 1: SIMPLE CRUD API IN LARAVEL AND MSQL**

Table of Contents

[**Chapter 1: Authentication** 3](#_Toc83938215)

[**1.1 Registration** 3](#_Toc83938216)

[**1.1.1Endpoint:** 3](#_Toc83938217)

[**1.1.2 Method:** 3](#_Toc83938218)

[**1.1.3 Headers:** 3](#_Toc83938219)

[**1.1.4 Parameters:** 3](#_Toc83938220)

[**1.1.5 Data:** 3](#_Toc83938221)

[**1.1.6 Response (Status 422)- password mismatch** 3](#_Toc83938222)

[**1.1.7 Response (Status 200 ok)- Successful register** 3](#_Toc83938223)

[**1.1.8 Response (Status 422 ok)- email exists** 4](#_Toc83938224)

[**1.2: Login** 4](#_Toc83938225)

[**1.2.1 Endpoint:** 4](#_Toc83938226)

[**1.2.2 Method:** 4](#_Toc83938227)

[**1.2.3 Headers:** 4](#_Toc83938228)

[**1.2.4 Parameters:** 4](#_Toc83938229)

[**1.2.5 Data:** 4](#_Toc83938230)

[**1.2.6 Response (Status 422)- unprocessed entity** 4](#_Toc83938231)

[**1.2.7 Response (Status 200 ok)- Successful login** 4](#_Toc83938232)

[**1.2.8 Response (Status 422 ok)- email exists** 4](#_Toc83938233)

[**Chapter 2: View posts** 5](#_Toc83938234)

[**2.1: View posts** 5](#_Toc83938235)

[**2.1.1 Endpoint:** 5](#_Toc83938236)

[**2.1.2 Method:** 5](#_Toc83938237)

[**2.1.3 Headers:** 5](#_Toc83938238)

[**2.1.4 Parameters:** 5](#_Toc83938239)

[**Response class (status 200)** 5](#_Toc83938240)

[**An array of posts** 5](#_Toc83938241)

[**2.1.5 posts:** 5](#_Toc83938242)

[**Chapter 3: Guarded endpoints** 6](#_Toc83938243)

[**3.1 Creation** 6](#_Toc83938244)

[**3.1.1 Method:** 6](#_Toc83938245)

[**3.1.2 Endpoint:** 6](#_Toc83938246)

[**3.1.3 Headers:** 6](#_Toc83938247)

[**3.1.4 Response (Status 401)- Unauthorized** 6](#_Toc83938248)

[**3.1.5 Parameters:** 6](#_Toc83938249)

[**3.1.6 Data:** 6](#_Toc83938250)

[**3.1.7 Response (Status 201)- created** 6](#_Toc83938251)

[**3.1.8 Response (Status 422 ok)- unprocessable entity** 7](#_Toc83938252)

[**3.2 Delete** 7](#_Toc83938253)

[**3.2.1 Method:** 7](#_Toc83938254)

[**3.2.2 Endpoint:** 7](#_Toc83938255)

[**3.2.3 Headers:** 7](#_Toc83938256)

[**3.2.4 Response (Status 401)- Unauthorized** 7](#_Toc83938257)

[**3.2.5 Parameters:** 7](#_Toc83938258)

[**3.2.6 Response (Status 204)- No content** 8](#_Toc83938259)

[**3.2.7 Response (Status 404 )- Not found** 8](#_Toc83938260)

[**3.3 Update** 8](#_Toc83938261)

[**3.3.1 Method:** 8](#_Toc83938262)

[**3.3.2 Endpoint:** 8](#_Toc83938263)

[**3.3.3 Headers:** 8](#_Toc83938264)

[**3.3.4 Response (Status 401)- Unauthorized** 8](#_Toc83938265)

[**3.3.5 Parameters:** 8](#_Toc83938266)

[**3.3.6 Response (Status 200 )- Ok** 8](#_Toc83938267)

[**3.3.7 Response (Status 404 )- Not found** 9](#_Toc83938268)

[**3.3.8 Response (Status 422 ok)- unprocessable entity** 9](#_Toc83938269)

# **Chapter 1: Authentication**

## **1.1 Registration**

**1.1.1 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/posts>

**1.1.2 Method:**

POST

### **1.1.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **1.1.4 Parameters:**

Name => 'required|string|max:255', Name used to register

Email => 'required|string|email|max:255|unique:users', Email to be used should be unique

Password => 'required|string|min:6' Password of the registered user.

created\_at=> "2021-09-28T06:32:21.000000Z", autogenerated depending on time of creation

### **1.1.5 Data:**

{

    "name":"janet",

    "email":"janet@gmail.com",

    "password":"janet.123",

    "password\_confrimation":"janet.123"

}

### **1.1.6 Response (Status 422)- password mismatch**

{

    "errors": [

        "The password confirmation field is required when password is present."

    ]

}

### **1.1.7 Response (Status 200 ok)- Successful register**

{

    "token": "    "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vMTI3LjAuMC4xOjgwMDAvYXBpL2xvZ2luIiwiaWF0IjoxNjMzMDUwMjY0LCJleHAiOjE2MzMwNTM4NjQsIm5iZiI6MTYzMzA1MDI2NCwianRpIjoidWNBcTFBVHpieTBpaDFvRSIsInN1YiI6MzgsInBydiI6IjIzYmQ1Yzg5NDlmNjAwYWRiMzllNzAxYzQwMDg3MmRiN2E1OTc2ZjcifQ.Cnap0UMU-DR0dDbpUBeyZDmMl0\_embc0AG31tfKHHlI"

"

}

### **1.1.8 Response (Status 422 ok)- email exists**

{

    "errors": [

        "The email has already been taken."

    ]

}

## **1.2: Login**

**1.2.1 Endpoint:**

[https://vast-everglades-38936.herokuapp.com/api/login](https://vast-everglades-38936.herokuapp.com/api/posts)

**1.2.2 Method:**

POST

### **1.2.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **1.2.4 Parameters:**

Email => 'required|string|email|max:255|unique:users', This is the specific email of a registered

Password => 'required|string|min:6' The password used by the user when registering

### **1.2.5 Data:**

{

    "email":"janet@gmail.com",

    "password":"janet.123",

}

### **1.2.6 Response (Status 422)- unprocessed entity**

{

    "message": "Password mismatch"

}

### **1.2.7 Response (Status 200 ok)- Successful login**

{

    "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vMTI3LjAuMC4xOjgwMDAvYXBpL2xvZ2luIiwiaWF0IjoxNjMzMDUwMjY0LCJleHAiOjE2MzMwNTM4NjQsIm5iZiI6MTYzMzA1MDI2NCwianRpIjoidWNBcTFBVHpieTBpaDFvRSIsInN1YiI6MzgsInBydiI6IjIzYmQ1Yzg5NDlmNjAwYWRiMzllNzAxYzQwMDg3MmRiN2E1OTc2ZjcifQ.Cnap0UMU-DR0dDbpUBeyZDmMl0\_embc0AG31tfKHHlI"

}

### **1.2.8 Response (Status 422 ok)- email exists**

{

    "message": "User does not exist"

}

# **Chapter 2: View posts**

## **2.1: View posts**

**2.1.1 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/posts>

**2.1.2 Method:**

GET

### **2.1.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

## **Response class (status 200)**

## **An array of posts**

### **2.1.5 posts:**

[

    {

        "id": 0,

        "title": "string",

        "blog": "string.",

        "created\_at": "2021-09-28T06:32:21.000000Z",

        "updated\_at": "2021-09-28T18:14:06.000000Z"

    }

]

# **Chapter 3: Guarded endpoints**

## **3.1 Creation of posts**

### **3.1.1 Method:**

POST

### **3.1.2 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/posts>

### **3.1.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **3.1.4 Response (Status 401)- Unauthorized**

    {

    "message": "Unauthenticated."

}

**Happens when user tried to access a guided route without logging in. If authenticated then proceeds to add posts below**

### **3.1.5 Parameters:**

title => 'optional|string|max:255', Tittle of the post you want a user to create and should be tied to the specific user

blog => 'optional|string|max:255', The actual blog

### **3.1.6 Data:**

{

    "title": "string"=>"Attitude",

    "blog": "string"=>"You need your heart to grow",

}

### **3.1.7 Response (Status 201)- created**

{

    "title": "God",

    "blog": "The way in the wilderness",

    "updated\_at": "2021-09-30T20:21:37.000000Z",

    "created\_at": "2021-09-30T20:21:37.000000Z",

    "id": 55

}

### **3.1.8 Response (Status 422 ok)- unprocessable entity**

{

    "message": "The given data was invalid.",

    "errors": {

        "title": [

            "The title field is required."

        ]

    }

}

## **3.2 Delete**

### **3.2.1 Method:**

DELETE

### **3.2.2 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/posts/1>

### **3.2.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **3.2.4 Response (Status 401)- Unauthorized**

    {

    "message": "Unauthenticated."

}

**Happens when user tried to access a guided route without logging in. If authenticated then proceeds to add posts below**

### **3.2.6 Response (Status 204)- No content**

User has been deleted

### **3.2.7 Response (Status 404) - Not found**

Returns 404 when post not found.

## **3.3 Update**

### **3.3.1 Method:**

PUT

### **3.3.2 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/posts/1>

### **3.3.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **3.3.4 Response (Status 401)- Unauthorized**

    {

    "message": "Unauthenticated."

}

**Happens when user tried to access a guided route without logging in. If authenticated then proceeds to add posts below**

### **3.3.5 Parameters:**

title => 'optional|string|max:255', Tittle of the post you want a user to create and should be tied to the specific user

blog => 'optional|string|max:255', The actual blog

id =. 0 integer, unique identifier of a specific post that ensures action of a user is to the specific post

### **3.3.6 Response (Status 200 )- Ok**

{

    "id": 8,

    "title": "God",

    "blog": "Your love is healing",

    "created\_at": "2021-09-28T06:32:22.000000Z",

    "updated\_at": "2021-09-30T20:44:06.000000Z"

}

Returns updated values

### **3.3.7 Response (Status 404 )- Not found**

Returns 404 when post not found.

### **3.3.8 Response (Status 422 ok)- unprocessable entity**

{

    "message": "The given data was invalid.",

    "errors": {

        "title": [

            "The title field is required."

        ]

    }

}

## **3.4 Logout**

### **3.4.1 Method:**

POST

### **3.4.2 Endpoint:**

<https://vast-everglades-38936.herokuapp.com/api/logout>

### **3.4.3 Headers:**

“Accept: application/json”\

“Content-Type: application/json”\

### **3.4.4 Response (Status 401)- Unauthorized**

    {

    "message": "Unauthenticated."

}

**Happens when user tried to access a guided route without logging in. If authenticated then proceeds to add posts below**

### **3.4.5 Parameters:**

    "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vMTI3LjAuMC4xOjgwMDAvYXBpL2xvZ2luIiwiaWF0IjoxNjMzMDUwMjY0LCJleHAiOjE2MzMwNTM4NjQsIm5iZiI6MTYzMzA1MDI2NCwianRpIjoidWNBcTFBVHpieTBpaDFvRSIsInN1YiI6MzgsInBydiI6IjIzYmQ1Yzg5NDlmNjAwYWRiMzllNzAxYzQwMDg3MmRiN2E1OTc2ZjcifQ.Cnap0UMU-DR0dDbpUBeyZDmMl0\_embc0AG31tfKHHlI" It checks the generated token, destroys it, then signs out the user

### **3.4.6 Data:**

{

        "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwOi8vMTI3LjAuMC4xOjgwMDAvYXBpL2xvZ2luIiwiaWF0IjoxNjMzMDUwMjY0LCJleHAiOjE2MzMwNTM4NjQsIm5iZiI6MTYzMzA1MDI2NCwianRpIjoidWNBcTFBVHpieTBpaDFvRSIsInN1YiI6MzgsInBydiI6IjIzYmQ1Yzg5NDlmNjAwYWRiMzllNzAxYzQwMDg3MmRiN2E1OTc2ZjcifQ.Cnap0UMU-DR0dDbpUBeyZDmMl0\_embc0AG31tfKHHlI"

Generated token, hashed string.

}

### **3.4.7 Response (Status 200)- ok**

{

    "message": "User successfully signed out"

}