

## **Installation Instructions**

1. Clone the project from gitlab: `git clone https://github.com/bryanMt/recruitment-test.git`
2. Cd into the project: `cd recruitment-test`
3. Go into the docker-symfony folder: `cd docker-symfony`
4. Build the docker container: `docker-compose build`
5. Start the docker container: `docker-compose up -d`
6. Launch docker php bash: `docker-compose exec php bash`
7. Install composer dependencies: `composer install`. While this command is executed you will be asked to input some values. Please make sure to input the following values:
  - a. `database_host: db`
  - b. `database_port: 3306`
  - c. `database_name: mydb`
  - d. `database_user: root`
  - e. `database_password: root`
8. Run the doctrine migrations: `sf3 doctrine:migrations:migrate`
9. Exit from php bash. Find your docker ip using this command:

```
sudo echo $(docker network inspect bridge | grep Gateway | grep -o -E '[0-9\.]+')
```

10. You will need to use the ip returned to access the endpoints.

11. Run a docker ps -a

12. Check on which port the *dockersymfony\_nginx\_1* container is running. You will need this to access endpoints

Example:

```
POST http://127.0.0.1:80/customer/:customer_id
```

### **Endpoint Documentation**

1. Registering a new customer

Endpoint Route / Url	http://127.0.0.1:80/customer
Method	POST
Post Body	{ "firstname" : "bryan", "gender": "male   female", "lastname": "borg", "country": "fr", "email": "bryborg@gmail.com" }
Response Code	
200	{ "id": 3, "gender": "male", "first_name": "bryan", "last_name": "borg", "country": "fr", "email": "bryborg@gmail.com", "bonus": 5 }

400	Invalid Input	Missing parameters Invalid Country Invalid Email Non unique Email
500	Internal Error	

## 2. Editing a customer

Endpoint Route / Url	http://127.0.0.1:80/customer/:customer_id	
Method	PUT	
Post Body	<pre>{   "firstname" : "bryan",   "gender": "male   female",   "lastname": "borg",   "country": "fr",   "email": "bryborg@gmail.com" }</pre> <p>Note: The body params are optional. You can update only of the the details, if you want to. The bonus is not updatable.</p>	
Response Code		
200	<pre>{   "id": 3,   "gender": "male",   "first_name": "bryan",   "last_name": "borg",   "country": "fr",   "email": "bryborg@gmail.com",   "bonus": 5 }</pre>	
400	Invalid Input	Missing parameters Invalid Country Invalid Email Non unique Email
500	Internal Error	

## 3. Depositing money

Endpoint Route / Url	http://127.0.0.1:80/deposit/:customer_id	
Method	POST	
Post Body	{ "amount" : "50.0", "currency": "EUR" }	
Response Code		
200	{ "id": 6, "customer_id": 3, "real_deposit_amount": 50, "bonus_deposit_amount": 2.5 }	
400	Invalid Input	Missing parameters Unsupported Currency Invalid deposit amount Invalid customer id
500	Internal Error	

#### 4. Withdrawing money

Endpoint Route / Url	http://127.0.0.1:80/withdrawal/:customer_id
Method	POST
Post Body	<pre>{   "amount" : "50.0",   "currency": "EUR" }</pre>
Response Code	

200	<pre>{   "id": 6,   "customer_id": 3,   "real_deposit_amount": 50,   "bonus_deposit_amount": 2.5 }</pre>	
400	Invalid Input	Missing parameters Unsupported Currency Invalid amount Invalid customer id Insufficient Balance
500	Internal Error	

## 5. Statistics / Reporting

Endpoint Route / Url	<a href="http://127.0.0.1:80/statistics?dateFrom=Y-m-d&amp;dateTo=Y-m-d">http://127.0.0.1:80/statistics?dateFrom=Y-m-d&amp;dateTo=Y-m-d</a>  Example:  ?dateFrom=2018-01-01&dateTo=2018-01-10  Note: If no dates are specified a default of - 7 days is applied
Method	GET
Response Code	
200	<pre>{   "txDate": "2018-01-10",   "country": "fr",   "unique_customers": "1",   "number_of_deposits": "3",   "number_of_withdrawals": "0",   "total_amount_deposits": "150",   "total_amount_withdrawals": "0" }, {   "txDate": "2018-01-10",   "country": "mt",   "unique_customers": "2",   "number_of_deposits": "3",   "number_of_withdrawals": "3",   "total_amount_deposits": "100",   "total_amount_withdrawals": "98" }</pre>

400	Invalid Input	Invalid Date
500	Internal Error	