

## **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` . If you have some other service running on port 80, you will need to kill the process, and re-execute the command.
6. Launch docker php bash: `docker-compose exec php bash`
7. Install composer dependencies: `composer install`.
8. Run the doctrine migrations: `sf3 doctrine:migrations:migrate`
9. In your etc hosts file add the following entry: `127.0.0.1 localunixsocket`

Example:

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

## **Endpoint Documentation**

1. Registering a new customer

Endpoint Route / Url	<code>http://127.0.0.1:80/customer</code>
Method	POST

Post Body	<pre>{   "firstname" : "bryan",   "gender": "male   female",   "lastname": "borg",   "country": "fr",   "email": "bryborg@gmail.com" }</pre>	
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	

## 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	<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 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	