# Favorite Coin List Api

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# 1. Installation

## 1.1. Docker

### 1.1.1. Pull image from Docker Hub

[Dockerhub](#)

```
① 
docker pull batace/favorite_coin_list_api:latest

② 
docker run -it -p --name fav-list-api 8080:8080 batace/favorite_coin_list_api
```

① Pull the docker image

② Run it locally

Navigate to [localhost:8080/favorite-list/swagger-ui](#)

## 1.2. Source Code

1. Unzip the project

2. Open project in your IDE

3. Navigate to the root of application

4. Run project `mvn spring-boot:run`

## 1.3. Swagger-UI

1. Run the application
2. Navigate to localhost:8080/favorite-list/swagger-ui

This should provide sufficient information. For more information refer to API Documentation.

# 2. API Documentation

## 2.1. BASE URL

favorite-list/

Examples

localhost:8080/favorite-list/coin/overview

localhost:8080/favorite-list/overview

## 2.2. URL'S

| Request | Path | Description | Description Response 200 | Description Response 400 | BODY |
|---------|------|-------------|--------------------------|--------------------------|------|
| GET | /swagger-ui | View the Swagger UI | Swagger found | / | / |
| GET | coin/overview | Returns list of all crypto coins | Found list of crypto coins | / | / |
| GET | coin/search/{name} | Returns all crypto coin's where the name is like searched name | Found list of crypto coins | Invalid input | / |
| POST | coin/new | Creates a new coin | Creation successful | Invalid coin name | `{ "name": "BITCOIN", "alias_currency": "BTC_EUR" }` |
| GET | /overview | Returns of all favorite list(s) | Found id and name of favorite list(s) | / | / |
| GET | /overview/{id} | Returns all coins inside a specific favorite list | All coins inside of favorite list(s) (if any were added) | Invalid id | / |

| Request | Path | Description | Description Response 200 | Description Response 400 | BODY |
|---------|------|-------------|--------------------------|--------------------------|------|
| POST | /new/{name} | Create a new Favorite list | Favorite list creation successful | Invalid name | / |
| POST | /add-coin | Update a coin inside Favorite list | Update successful | Invalid id or coin already exists in list | `{ "coin_id": X, "fav_list_id": Y }` |
| DELETE | /remove-coin | Delete a coin from Favorite list | Remove successful | Invalid coin id or coin not in list or invalid favorite list id | `{ "coin_id": X, "fav_list_id": Y }` |
| DELETE | /remove-coin/{coinId}/{listId} | Delete a coin from Favorite list | Remove successful | Invalid coin id or coin not in list or invalid favorite list id | / |

⚠ Replace the X and Y values with actual values!