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Fetch project

EVA project is stored in a Git repository. To work on an existing project, you need to fetch it from the remote repository.

EVA GitHub repository (<https://github.com/bmxmale/eva>)

Requirements

Before you begin, ensure that you have the following prerequisites installed on your machine:

- Git
- SSH Key (optional but recommended): If you plan to use SSH
- Composer: PHP dependency manager <https://getcomposer.org/> (<https://getcomposer.org/>)

Create a Directory

Create a directory where you want to clone the repository. Open your terminal and run the following commands:

```
mkdir Sites  
cd Sites
```

Cloning the Repository

SSH

```
git clone git@github.com:bmxmale/eva.git eva-project
```

HTTPS

```
git clone https://github.com/bmxmale/eva.git eva-project
```

Local env

A) Docker Compose

Prerequisites

Before you begin, ensure that you have the following prerequisites installed on your machine:

- Docker: Install Docker from <https://www.docker.com/get-started> (<https://www.docker.com/get-started>)
- Docker Compose: Follow the installation instructions for your operating system from <https://docs.docker.com/compose/install/> (<https://docs.docker.com/compose/install/>)

Quick start

1. Run command

```
docker-compose up -d
```

2. Switch to container shell

```
docker-compose exec php sh
```

3. Install dependencies

```
composer install
```

4. Migrate database by running command

```
bin/console doctrine:migrations:migrate
```

Testing

To run tests, execute the following command:

```
docker-compose exec php ./vendor/bin/phpunit
```

B) DDEV

You can use DDEV to set up a local development environment for your web projects. DDEV is an open-source tool that simplifies the process of creating and managing local development environments using Docker containers.

Prerequisites

Before you begin, ensure that you have the following prerequisites installed on your machine:

- Docker: Install Docker from <https://www.docker.com/get-started> (<https://www.docker.com/get-started>)
- DDEV: Follow the installation instructions for your operating system from <https://docs.ddev.com/en/stable/users/install/> (<https://docs.ddev.com/en/stable/users/install/>)

Starting a DDEV Project


Enter your project directory in the terminal and run the following command to start the DDEV environment:

```
ddev start
```

This command will create and start the necessary Docker containers for your project. You should see output similar to the following:

```
→ eva git:(main) x ddev start
Starting eva...
Building project images....
Project images built in 2s.
```

```
Network ddev-eva_default Created
Container ddev-eva-db Created
Container ddev-eva-web Created
Container ddev-eva-web Started
Container ddev-eva-db Started
You have Mutagen enabled and your 'symfony' project type doesn't have `upload_dirs` set.
For faster startup and less disk usage, set upload_dirs to where your user-generated files
are stored.
If this is intended you can disable this warning with `ddev config --disable-upload-dirs-
warning`.
Starting Mutagen sync process...
Mutagen sync flush completed in 1s.
For details on sync status 'ddev mutagen st eva -l'
Waiting for containers to become ready: [web db]
Starting ddev-router if necessary...
  Container ddev-router Created
  Container ddev-router Started
Successfully started eva
Your project can be reached at https://eva.ddev.site
See 'ddev describe' for alternate URLs.
```

 The first time you run **ddev start**, it may take a few minutes to download the necessary Docker images and set up the environment.

Accessing the Project

Once the DDEV environment is up and running, you can access your project in a web browser by navigating to the URL provided in the terminal output `https://eva.ddev.site` (<https://eva.ddev.site>).

Running Commands in the DDEV Environment

This command opens a shell inside the web container, allowing you to run commands as if you were on a regular server.

```
ddev ssh
```

To install PHP dependencies using Composer, run:

```
ddev composer install
```

To run database migrations, use:

```
bin/console doctrine:migrations:migrate
```

Stopping the DDEV Project

```
ddev stop
```

Removing the DDEV Project

```
ddev delete
```

Available API Endpoints

Base URL

Docker

```
http://127.0.0.1:2137
```

DDEV

```
https://eva.ddev.site
```

Postman Collection

You can use the following Postman collection to interact with the API endpoints:

```
docker.postman_collection.json
```

First Visa Application

Endpoint

POST /application

Body

```
{
  "passport": {
    "number": "YUBIC02025",
    "code": "USA",
    "type": "P",
    "firstName": "John",
    "lastName": "Wick",
    "issuedAt": "2021-06-01",
    "expiresAt": "2031-06-01"
  },
  "visaType": "D",
  "purposeOfVisit": 4,
  "startDate": "2025-01-01",
  "endDate": "2035-12-31",
  "status": "approved"
}
```

Response

```
{
  "@context": "/contexts/Application",
  "@id": "/applications/1",
  "@type": "Application",
  "id": 1,
  "passport": {
    "@id": "/passport/USA/YUBIC02025",
    "@type": "Passport",
    "number": "YUBIC02025"
  },
  "visaType": "D",
  "purposeOfVisit": 4,
  "startDate": "2025-01-01T00:00:00+00:00",
  "endDate": "2035-12-31T00:00:00+00:00",
  "status": "approved",
  "valid": true
}
```

Second Visa Application

Endpoint

POST /application

Body

```
{  
  "visaType": "C",  
  "purposeOfVisit": 3,  
  "startDate": "2025-11-01",  
  "endDate": "2025-11-30",  
  "status": "pending",  
  "passport": "/passport/USA/YUBIC02025"  
}
```

Response

```
{  
  "@context": "/contexts/Application",  
  "@id": "/applications/2",  
  "@type": "Application",  
  "id": 2,  
  "passport": {
```

```
    "@id": "/passport/USA/YUBIC02025",  
    "@type": "Passport",  
    "number": "YUBIC02025"  
  },  
  "visaType": "C",  
  "purposeOfVisit": 3,  
  "startDate": "2025-11-01T00:00:00+00:00",  
  "endDate": "2025-11-30T00:00:00+00:00",  
  "status": "pending",  
  "valid": false  
}
```

Get Applications for passport

Endpoint

```
GET /applications/{code}/{number}
```

Example:

```
GET /applications/USA/YUBIC02025
```

Response

```
{
  "@context": "/contexts/Application",
  "@id": "/applications/USA/YUBIC02025",
  "@type": "Collection",
  "totalItems": 2,
  "member": [
    {
      "@id": "/applications/1",
      "@type": "Application",
      "id": 1,
      "passport": {
        "@id": "/passport/USA/YUBIC02025",
        "@type": "Passport",
```

```

        "number": "YUBIC02025"
    },
    "visaType": "D",
    "purposeOfVisit": 4,
    "startDate": "2025-01-01T00:00:00+00:00",
    "endDate": "2035-12-31T00:00:00+00:00",
    "status": "approved",
    "valid": true
},
{
    "@id": "/applications/2",
    "@type": "Application",
    "id": 2,
    "passport": {
        "@id": "/passport/USA/YUBIC02025",
        "@type": "Passport",
        "number": "YUBIC02025"
    },
    "visaType": "C",
    "purposeOfVisit": 3,
    "startDate": "2025-11-01T00:00:00+00:00",
    "endDate": "2025-11-30T00:00:00+00:00",
    "status": "pending",
    "valid": false
}
]
}

```


Get Passport

Endpoint

```
GET /passport/{code}/{number}
```

Example:

```
GET /passport/USA/YUBIC02025
```

Response

```
{
  "@context": "/contexts/Passport",
  "@id": "/passport/USA/YUBIC02025",
  "@type": "Passport",
  "number": "YUBIC02025",
  "code": "USA",
  "type": "P",
  "firstName": "John",
  "lastName": "Wick",
  "issuedAt": "2021-06-01T00:00:00+00:00",
  "expiresAt": "2031-06-01T00:00:00+00:00",
}
```

```
} "valid": true
```