JoinUp! Technical Report

Core 55

15ᵗʰ May 2017

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ID1003 IT Project

JoinUp - Be down, JoinUp!

Share your location and get together with friends. This app provides
an interactive map allowing you to share your location with friends.
Find a place to meet and we'll get you there.

Contents

1 Back-end API

1.1 dry-cherry API Spec

1.1.1 Intro

- RESTful API for handling users and meetups in the **JoinUp** App.

- HATEOAS-compliant API made with Spring.

- App website: www.joinup.nu

- Team website: Core 55

1.1.2 Installation

Clone with SSH:

```
git clone git@gits-15.sys.kth.se:core55/dry-cherry.git
```

1.2 JSON Objects returned by API

1.2.1 User

```
{
    "id": 1,
    "createdAt": "2017.04.26.15.05.43",
    "updatedAt": "2017.04.26.15.05.43",
    "nickname": "James",
    "lastLongitude": 18.072311,
    "lastLatitude": 59.316486,
    "username": "james@example.com",
    "status": "On my way!",
    "gravatarURI": "https://www.gravatar.com/avatar/123456789",
    "googlePictureURI": null
}
```

1.2.2   Meetup

```
{
    "id": 1,
    "createdAt": "2017.04.26.15.05.43",
    "updatedAt": "2017.04.26.15.05.43",
    "centerLongitude": 18.071716,
    "centerLatitude": 59.32683,
    "zoomLevel": 13,
    "hash": "fe2d29ad881d47b18eea2ac44b026a80",
    "pinLongitude": 13.079516,
    "pinLatitude": 24.547516,
    "name": "Evening at theater"
}
```

1.2.3   Location

```
{
    "id": 1,
    "createdAt": "2017.04.26.14.59.15",
    "updatedAt": "2017.04.26.14.59.15",
    "longitude": 18.072311,
    "latitude": 59.316486
}
```

1.3   API endpoints

1.3.1   Create a meetup

POST /api/meetups

Store a new meetup in the database and return it.

Example request body:

```
{
    "centerLongitude": 18.071716,
    "centerLatitude": 59.32683,
    "zoomLevel": 13
}
```

Required fields: centerLongitude, centerLatitude, zoomLevel
Optional fields: pinLongitude, pinLatitude, name

1.3.2   Find all meetups

GET /api/meetups

Return a list of all the meetups stored in the database.

1.3.3   Find a meetup

`GET /api/meetups/<hash>`

Return the meetup specified by the value by the `<hash>`

Update a meetup

`PUT api/meetups/<hash>`

Substitute the meetup specified by the ¡hash¿ value with a full new provided meetup. The provided meetup should have all the fields of the meetup that is going to replace.

Update values of a meetup

`PATCH api/meetups/<hash>`

Update only the fields corresponding to the provided values of the objects specified by the `<hash>`

2   Web application

2.1   Intro

- Front-end web app used in the **JoinUp** App.

- Provides an interactive map allowing users to share their location with friends and set a meetup point.

- Team website: core55.github.io

2.2   Requirements

- node

- npm

2.3   Technology

- **View Layer:** Vue.js

- **Routing:** vue-router

- **Server communication:** vue-resource

- **Build Tool:** Webpack + vue-loader

- **Design Framework:** element-UI

- **Other Core Libraries:** Google Maps

2.4   Installation

- Clone with SSH:

  `git clone git@gits-15.sys.kth.se:core55/web.git`

- Rename the `config/dotenv.example.js` to `config/dotenv.js`

- Make sure to add your own `googleMaps API key` and specify the address of the REST API to `config/dotenv.js`

  ```
  module.exports =
  {
      GOOGLE_MAP_KEY: '"TOKEN_HERE"',
      API_URL: '"API_HERE"'
  }
  ```

- Run `npm install` to install the dependencies

- Enter `npm run dev` to start up a local server on `port:8080` by default

3   Android application

The official JoinUp app for Android. JoinUp allows people to spontaneously meet up anywhere and see the location of their friends on a map.

3.1   Beta

Google Play
Beta Community

3.2   Getting started

We are using Android Studio (on the beta channel) as our IDE with Gradle for build automation.

To switch to the beta channel, go to <Help>Check for Updates...', click on Updates and select "Beta Channel" for the automatic updates. Check for updates and install them.

3.3   Installing

- Clone repository

- Copy `res/values/google_maps_api.example.xml` to `res/values/google_maps_api.xml` and add your own Google Maps for Android API key

- Copy `res/values/google_signin_api.example.xml` to `res/values/google_signin_api.xml` and request the key from the android team, we're using a shared one right now

- Request the `google-services.json` from the team and copy to `app/google-services.json`

3.4   Contribute

Please read CONTRIBUTE.md for folder structure and guidelines.