REST Services using nodeJS and MongoDB

MCC-Assignment 1 – Group 03

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Introduction

Our application was developed using nodeJS and we are using MongoDB as a database. The application contains not only events but also calendars. A calendar can have a list of events. This is our special feature.

Starting the application

1. **Start MongoDB**
   sudo service mongod start
2. **Start the application**
   cd Calendar_NodeJS/ExpressApp1
   nodejs app.js

3. **Access the application**
   The application can be accessed in your browser at:
   address=130.233.42.112:8080/api/v1/calendars/

4. **Requests**

   ****************** CALENDAR ********************

Get calendars

curl -i -H "Accept: application/json" "$address"

Post a new calendar

curl -H "Content-Type:application/json" -X POST -d '{"name":"test","description":"test"}' "$address"

Get calendar by id

curl -i -H "Accept: application/json" "$ address/cal_id"

Modify calendar

curl -H "Content-Type:application/json" -X PUT -d '{"name":"edit","description":"edit"}' "$address /cal_id/"

Delete calendar by id

curl -X DELETE "$ address/cal_id"

****************** EVENTS ********************

Get calendar's events

curl -i -H "Accept: application/json" "$ address/cal_id/events"

Post a new event to a calendar

```
curl -H "Content-Type:application/json" -X POST -d '{"name":"testEvent","description":"testEvent",
"location":"locationEvent", "startTime":"03/03/2000", "endTime":"04/04/2001", "priority":"low" }'
"$address/cal_id/events/"
```

Modify an event

```
curl -H "Content-Type:application/json" -X PUT -d '{"name":"testEvent2","description":"testEvent2",
"location":"locationEvent2", "startTime":"03/03/2000", "endTime":"04/04/2001", "priority":"low" }'
"$address/events/event_id/"
```

Delete an event from a calendar

```
curl -X DELETE "$address/events/event_id"
```

Get events by location or date

```
curl -i -H "Accept: application/json"
"$address/cal_id/events?location=locationEvent&startTime=03/03/2000"
```