**Hiking Trail Application readMe file**

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This application is a starter app that will soon document Seattle-area hiking trails

hiked by the developer. In its present state the application utilizes Spring Boot

(version 2.5.0-RC1, Spring 5x), and is a Maven project. Later the developer will

evolve the application with a rich data model with modern Rest apis (see the

Spring guides for details on this: <https://spring.io/guides/tutorials/rest/> , read about

Spring HATEOAS applications with HAL representations of each resource). And it will

incorporate a UI, possibly to provide an Android app as well to be developed using

JavaFX and the Gluon library. For general assumptions, see the project’s pom.xml

build file. The program utilizes a H2 in-memory database. Also, the application

utilizes Java 8 apis. The app supports the following Rest apis. Unit/integration

tests are incorporated to test the apis.

Web-based starter UI: <http://localhost:8080/hikingtrails>

H2 in-memory database URL: <http://localhost:8080/h2>

// Get (or read) methods:

<http://localhost:8080/hikingtrails/getalltrails> -- returns all hiking trails.

<http://localhost:8080/hikingtrails/gettrail/1> -- returns a single trail, say record 1,

but throws a HikingTrailNotFoundException(id) if record with [id] not found

in the database.

// Post (or create) method:

<http://localhost:8080/hikingtrails/newtrail> -- saves a hiking trail with sample JSON

data:

{

"id": 5,

"name": "Middle Fork",

"distance": 10.0,

"difficulty": "moderate"

}

but throws a HikingTrailFoundException(id) if record [id] currently is in the

database.

// Delete method:

<http://localhost:8080/hikingtrails/deletetrail/1> -- deletes a single trail, say record 1,

but throws a HikingTrailNotFoundException(id) if no record with [id] is found in

the database.

// Put (or update) method:

<http://localhost:8080/hikingtrails/replacetrail/1> -- replaces the data of record specified,

say record 1, with sample JSON data:

{

"id": 1,

"name": "Snow Peak",

"distance": 8.0,

"difficulty": "difficult"

}

but throws a HikingTrailNotFoundException(id) if no record with [id] is found

in the database.