

Create a controller '**SessionsController**'. This controller will be used to maintain a list of topics along with their duration and an auto-generated unique id. You should be able to add, list and show topics.

The application can be split into a **RESTful** approach and a **form-based** approach.

- 1) For the form-based approach, you can just create a simple page to add the topics. You can have a form built using Spring Form tags to add one or two topics at a time as shown here.

Add topics

| | | | |
|------------------------------------|----------------------|-----------|----------------------|
| Topic1 | <input type="text"/> | Duration1 | <input type="text"/> |
| Topic2 | <input type="text"/> | Duration2 | <input type="text"/> |
| <input type="button" value="Add"/> | | | |

When you add the topics just display a message in the same page say, **"Topics added successfully"**

- 2) You can implement the add, show, list operations in a RESTful style as shown below.

- If you enter the URL <http://<server>/topic/add/Ruby/60> Ruby course gets added to the list with a unique id and you get a message **"Ruby successfully added to db: Id is 101"**.

If you enter the URL <http://<server>/topic/add/Groovy/45> Groovy course gets added to the list with a unique id and you get a message **"Groovy successfully added to db; Id is 102"**

- <http://<server>/topic/show/101>. The output is **"Ruby(60 mins)"**
- If you enter the URL <http://<server>/topic/list> the output is a JSON formatted list **{"topics":[{"title":"Ruby",duration:60}, {"title":"Groovy",duration:45}]}**

You will use the table 'topics' in any database in mysql.

```
create table topics(  
    id int(5) not null primary key auto_increment,  
    title varchar(50),  
    duration int(4)  
);
```

Create ConferenceService and TopicDao classes. Create additional classes and interfaces appropriately. Configure these beans in applicationContext.xml file. Provide a declarative transaction support for adding one or two courses at the same time.