

# Project Plan

## Assignment 1

### Task 1: Personal Planning

#### Subtask A: Books

- **Plan:** Read carefully all the instructions and make a quickly review of the provided code. Install Virtual Box and Vagrant on my computer and run the provided structure to check how it works. Then I plan to understand the problem stated in this Subtask, coming up with a solution and implement it. Start this Project Plan and Time Log in order to help myself with the organization.
- **Implement:** I created a book class with fields, constructor, getters, setters and other methods, like a method to print. I created 5 books in GetBooksResource.java based on real information. I modified GetBooksResource.java, for each book I called the method BookInfo() that print all the information about a book. I was able to see the output on the console.
- **Reflect:** I spent quite a while learning about vagrant, actually I spent more time than I expected. I've also spent a lot of time looking for real information about books, maybe that was not a good idea, it distracted from the main objective, but it was funny.

#### Subtask B: JSON

- **Plan:** Read <http://www.mkcyong.com/java/how-to-convert-java-object-to-from-json-jackson/> in order to learn about JSON objects, since I need to understand this before approaching this Subtask. Understand the Subtask directions properly, think a solution and implement it.
- **Implement:** I created an ObjectMapper in GetBooksResources.java, I mapped the books and print them.
- **Reflect:** Most of the time I've been studying about Jackson or JSON objects from the link provided in and other information I found on the internet.

#### Improvement Strategies:

- 1) Be aware that to learn about new development environments, as Vagrant, or new things about the Java programming language, such as JSON objects, demand much longer than expected.
- 2) Do not waste time with secondary activities, such as creating books based on real information.

#### Subtask C: Web

- **Plan:** Explore PingResource.java and the API model meticulously.
- **Implement:** Just return the created JSON object.
- **Reflect:** To accomplish Subtask C properly I had to change fields in book.java from private to public, that definitely solves the errors that I had. It took me a while to realize those fields should be public and not private.

### Task 2: Vision

Write a Vision document

### **Task 3: Project Plan**

Write this Project Plan

*Assignment 2*

*Assignment 3*

*Assignment 4*