Linnéuniversitetet
Kalmar Växjö

Project Plan and Vision

Assignment 1

- *Task 3*

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Table of Contents

TASK 1 PERSONAL PLAN

1

Personal Project plan.

The major deliverable in this assignment is an iteration of the project in each task. Goals, planning and time log is included. Ending with a personal reflection of each iteration. Planning will help to set the goals and to be able to achieve them is by help of the reflection. There can be difficulties during the process such us personal problems and time used or other problems may occur.

Goals

The goal of this task is to give a list of books in result the user should get it as a JSON object (an associative array), when the client request using http://localhost:9090/api/books/ to the server.

Plan.

The assignment is put into three task and documentation. For every task should be documented, planned and implemented in the src folder.

- Create a list of books and a method to get them
- Convert the created objects into JSON objects
- To answer the request in the web browser to read the JSON objects on the website.

2 Subtask A Books

The objective of this subtask is to create a list of books and a function or method to get them**.**

Requirements	**Strategy**
• Create a book class with get methods in a package name as “models”. • Implementation will be complete after the user sees the printed object in the terminal (where vagrant is run).	• The book class should have a field with six given items id, author, title, genre,publishdate, price and description. • The method for the book class will have fictive object in the function getBooks given in GetBooksResource. • Output will be printed by the println method for every book.

Reflection:

The implementation run correctly without a problem, but the time log took more time then expected. Since the vagrant was not working as suppose. The codehad no errors in the beginning.

3 Subtask B JSON

The objective of this task is to convert toJSON.

Requirements	**Strategy**
• Convert the create object to JSON object . Should be able to be seen in terminal by using println. • Improve implement.	• Check how the convertation to JSON is used in a given weblink find in pingResource class. • Converting java/Node to JSON method should be implemented in GetBooksResource. • Two improvement strategies based on task a and b.

Reflection:

Converting the object to JSON object was simple and fun, the implementation had no problem at all. The website was useful. It was fun I can say.

4 Subtask C Web

The objective of the this subtask is to answer the request in the web browser ans print out the JSON object on the webpage.

Requirements	**Strategy**
• To answer the request in the web browser instead of printing it to the terminal.	• When the book library is printed in output then the program is completed for now.

Reflection:

The implementation was successful in the end, though I spent over time limit erasing the static class because the second book on the list was not printed proper.

Improvement of the Strategy:

Run vagrant little bit early before finishing the coding part.

Static methods/class should be considered.

5 Task 2 Vision

The objective of this course is to gain the knowledge on the structure, organize software programming and learn how a modern web application works. Though in this course the projects are for small activities, nevertheless it will be possible to apply on the bigger projects to. The assignments and the subtasks help to organize and plan the project to be able to solve big problems by diving it into smaller parts. Assignment 1 has been useful for processing and planning the project. It focused on iteration process, as well as documentation and reflection. Additionally, time log to be able to keep truck on the time. Reflection that helps to improve the strategy. Each task should be test by printing out the output before moving forward to the next task. There's samples on the output after converting the created object to JSON.

Reflection.

Chapter 23 of the book software technology was very helpful when it comes to planning and implementing. Though the chapter is meant for the big project, it can still work on smaller projects. The difficulties were to be able to apply to this assignment was tricky, but I manage to make it small and it fits in the end. With the help of the Assignment Overview and Application it was wide and took more time to narrow the tasks. It all made sense after the reflection of the lectures on plan and process. Finally, the implementation was possible.