Research report

Spring boot

Maarten Hormes

S3-CB02

2021/2022

Contents

Main question:

Is spring boot a suitable framework for creating the back end of the Smoke-It website?

Sub-questions:

1. What is spring boot?
    A. Document analysis: By studying the spring boot documentary, I can find general information about what spring boot is.
    B. Expert interview: By talking to one of my teachers or someone else with experience in spring boot, I can gather information about what the spring boot is. Besides that, they can guide me to into the right direction for my literature study
    C. Literature study: Looking through guides and spring boot related posts on forums like Stack Overflow can give me an idea of what spring boot is.

2. What functionalities does spring boot offer?
    A. Decomposition: By splitting all the spring boot has to offer in smaller pieces, it can be easier to discover all that spring boot has to offer.
    B. Expert interview: By talking to teachers that have experience with spring boot I can discover the functionalities that spring has to offer.
    C. Literature study: There are enough online resources documenting the possibilities and functionalities that spring has to offer. Resources like Stack Overflow or the spring documentation.

3. What software project can benefit from using spring boot?
    A. SWOT analysis: By making a SWOT analyses I get an overview of when spring boot can be useful and where its pitfalls are.
    B. Community research: There are enough people that worked with spring boot before. Their experience can be gathered via a platform like Stack Overflow. Comparing multiple of these experiences can lead to a conclusion for what software project can benefit from spring boot
    C. Expert interview: Instead of gather the experiences of people online, I can gather the experiences from the teachers at school.

4. What alternative frameworks are available for projects that could use spring boot?
    A. Community research: Just like finding experiences for the use of boot spring, there will be experiences with other frameworks. These experiences can once again be gathered to draw a conclusion.
    B. Guideline conformity analysis: Since we know what software project we are doing, we can gather the guidelines for these kinds of projects. These guidelines can include what frameworks to use.
    C. Best good and bad practices: Gathering information on what has and hasn't worked before is helpful to decide what frameworks will and will not be suitable for my software project

Results:

The research results will be documented here.

Conclusion:

After the research is complete and the sub questions have been answered, a conclusion to the main question will be formulated here.

Recommendation:

A recommendation based on the conclusion will be formulated here.

Version History

When?	What?
05/10/2021	First draft of document. Chosen subject (spring boot)
07/10/2021	Added research method for sub questions