

Efficient Software Architecture in Web Application with Angular 2 and Reactive Programming

Research Report (Work in progress)

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Abstract

The purpose of this individual research is to find an efficient software architecture design pattern with Angular 2 and Reactive Programming.

Introduction

Pending

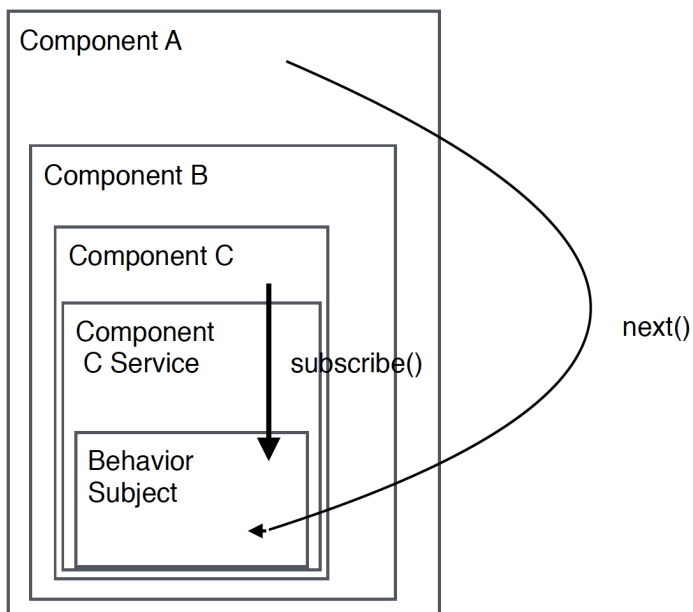
Methods

This research was conducted with the help of multiple tools, including but not limited to:

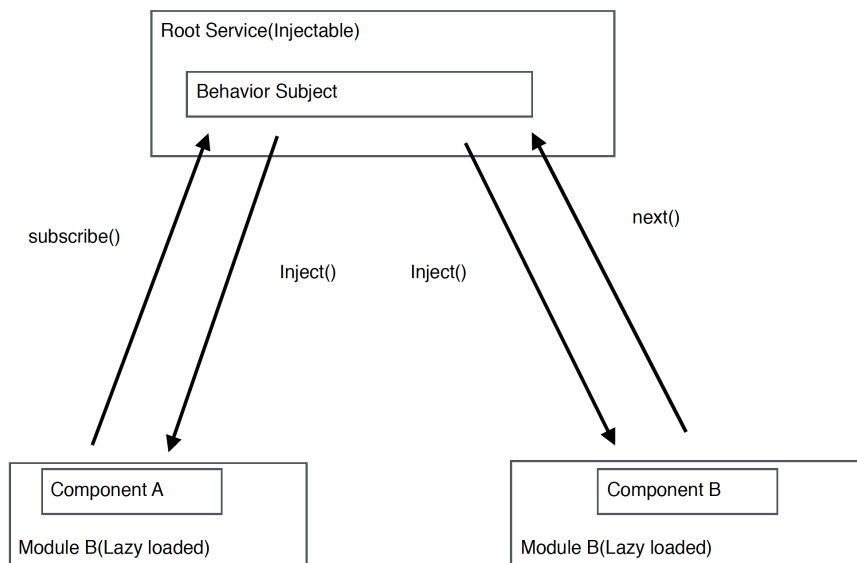
1. Angular 2[1]
2. Rxjs[2]
3. Bootstrap 4[3]
4. Immutable[4]

Proposed Software Architecture

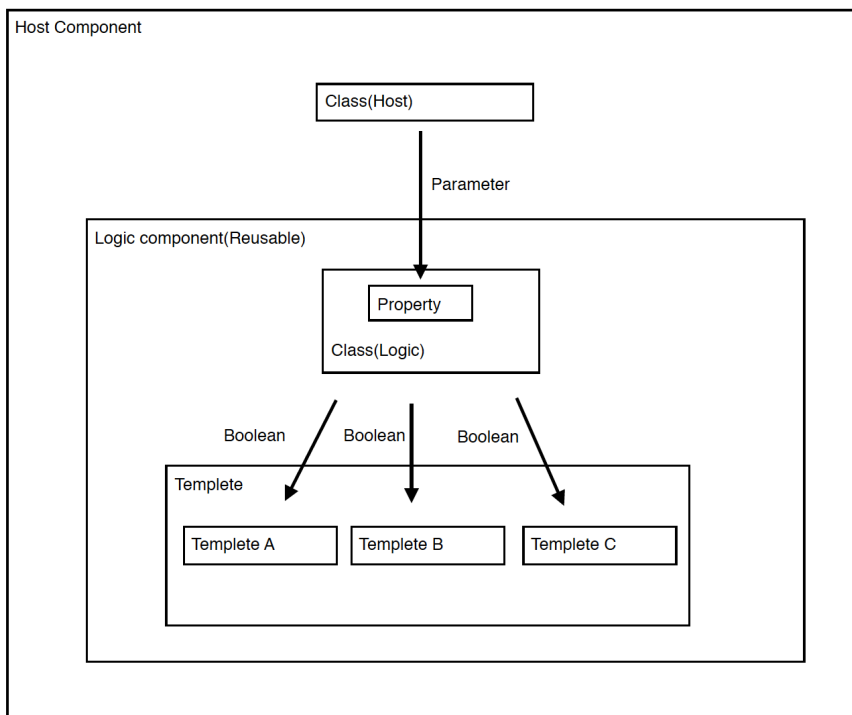
1. Parent component and child component indirect communication:



2. Inter-module communication



3. Polymorphism behavior



Results
Pending

Conclusion
Pending

References

- [1] <https://angular.io/docs/ts/latest/>
- [2] <https://github.com/Reactive-Extensions/RxJS>
- [3] <https://v4-alpha.getbootstrap.com/>
- [4] <https://facebook.github.io/immutable-js/>