Web routers: An explorative definition

Sdf

Richard (Rikki) Andrew Cattermole

2016

Abcd

# Introduction

Web routers are an ill-defined central component within every web server and along with it service or application. The full feature set is an unknown quantity for which performance penalties could be numerous especially in higher level languages such as Java or JavaScript. The designs are core and based upon primal structural algorithms such as lists and tree graphs but with an added problematic twist of run time described limitations and mapping of the requests.

Work has been done to attempt the definition of this component but it has mostly been informal. This is a problematic situation for Academics and for those who care about best practice in the world of IT.

TODO: more

This dissertation proposal brings forth the desire and willingness to describe the component in terms that can be implemented and explored for future generations.

# Literary review

# Timeline

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Week of** | **Days** | | **Months** | **Tasks** |
| 2016 | 27 | 04 | 10 | July |  |
| 28 | 11 | 17 | July |  |
| 29 | 18 | 24 | July |  |
| 30 | 25 | 31 | July |  |
| 31 | 01 | 07 | August |  |
| 32 | 08 | 14 | August |  |
| 33 | 15 | 21 | August |  |
| 34 | 22 | 28 | August |  |
| 35 | 29 | 04 | August/September |  |
| 36 | 05 | 11 | September |  |
| 37 | 12 | 18 | September |  |
| 38 | 19 | 25 | September |  |
| 39 | 26 | 02 | September/October |  |
| 40 | 03 | 09 | October |  |
| 41 | 10 | 16 | October |  |
| 42 | 17 | 23 | October |  |
| 43 | 24 | 30 | October |  |
| 44 | 31 | 06 | October/November |  |
| 45 | 07 | 13 | November |  |
| 46 | 14 | 20 | November |  |
| 47 | 21 | 27 | November |  |
| 48 | 28 | 04 | November/December |  |
| 49 | 05 | 11 | December |  |
| 50 | 12 | 18 | December |  |
| 51 | 19 | 25 | December |  |
|  | 52 | 26 | 01 | December/January |  |
| **Year** | **Week of** | **Days** | | **Months** | **Tasks** |
|  | 1 | 02 | 08 | January |  |
|  | 2 | 09 | 15 | January |  |
|  | 3 | 16 | 22 | January |  |
|  | 4 | 23 | 29 | January |  |
|  | 5 | 30 | 05 | January/February |  |
|  | 6 | 06 | 12 | February |  |
|  | 7 | 13 | 19 | February |  |
|  | 8 | 20 | 26 | February |  |
|  | 9 | 27 | 05 | February/March |  |
|  | 10 | 06 | 12 | March |  |
|  | 11 | 13 | 19 | March |  |
|  | 12 | 20 | 26 | March |  |
|  | 13 | 27 | 02 | March/April |  |
|  | 14 | 03 | 09 | April |  |
|  | 15 | 10 | 16 | April |  |
|  | 16 | 17 | 23 | April |  |
|  | 17 | 24 | 30 | April |  |
|  | 18 | 01 | 07 | May |  |
|  | 19 | 08 | 14 | May |  |
|  | 20 | 15 | 21 | May |  |
|  | 21 | 22 | 28 | May |  |
|  | 22 | 29 | 04 | May/June |  |
|  | 23 | 05 | 11 | June |  |
|  | 24 | 12 | 18 | June |  |
|  | 25 | 19 | 25 | June |  |
|  | 26 | 26 | 02 | June/July |  |
|  | 27 | 03 | 09 | July |  |
|  | 28 | 10 | 16 | July |  |

# Budget

Beyond the personal expenses, a budget is not required as no expenses are expected.

# Outcomes

There is one outcome expected from this proposal and that is the dissertation. Supporting this will be code created to exemplify the different kinds of web routers that currently exist today.

## Dissertation

### Methodology

## Code

### Router types (known)

# References