SHARE

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Content

Introduction Architecture Message-Pathing Demo

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Introduction

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Architecture
Message-Pathing
Demo

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- Non-uniform Storage-Nodes
- Distributed storage of data
- Server driven
- Allows nodes with different capacities
- Each node has a interval depending on the capacity
- Two-level hashing
 - One hash function maps data to an id section
 - Second hash function maps from data to a storage node in this id section

Solution

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Architecture

Logic

- Internally based on Subject class from exercises
- Websocket server implemented with Java-Websocket¹
- Serialisation with Gson²

UI

- Web based UI
- Implemented with Angular 2³
- Written in TypeScript

¹https://github.com/TooTallNate/Java-WebSocket

²https://github.com/google/gson

³https://angular.io/

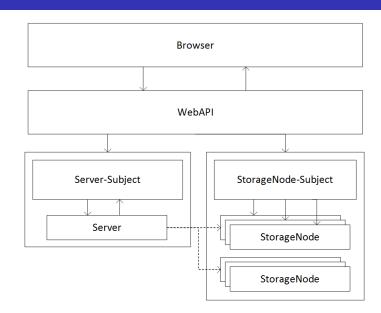
Architecture

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Message-Pathing

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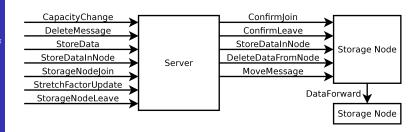
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Demo

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