

Sprint Retrospective, Iteration #4

| Microservice | Issue | Assignee | Effort | Done? | Notes |
|--------------|--|------------------------------------|--------|-------|--|
| Cluster | Rework Node Controller to allow adding nodes with preassigned faculties, fix impossible-to-read-url bug | Alan Kuźnicki | 1h | Yes | |
| | A job should be dropped or rescheduled if sufficient resources are no longer available. | Alan Kuźnicki | 3h | Yes | |
| | Split accessibility to certain endpoints to allow faculty account to view information related to their faculties | Alan Kuźnicki | 2h | Yes | Essentially implemented second stage of authorization, in which depending on the user's role, they can ask more of the method. |
| | Refactor controllers and improve branch coverage on them | Ariel Potolski Eilat | 3h | Yes | Test coverage is relatively good. We now have two controllers in the cluster. |
| | The cluster must send notifications to the user regarding jobs | Ariel Potolski Eilat/Alan Kuznicki | 1h30m | Yes | Notifications are sent for added/deleted nodes, jobs scheduled, jobs initiated, finished, jobs dropped and jobs rescheduled. |

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| | Refactor NodeRemovalService into NodeContributionService | Ariel Potolski Eilat | 15 min | Yes | |
| User | Testing User service | Bart Coster | 4h | Yes | Adding test for user to get the coverage up to 90% |
| | Work on assignments | Kasper van Duijne | 5h | Yes | Focused on the assignments and documents, not the code, as that was mostly done. |
| Request | Add tests to HTTP client in the request microservice, refactor service to work properly | Alan Kuźnicki | 6h | Yes | Took a lot of time but everything works now. I hope. |
| | Increase the branch and line coverage of the Request Allocation class | Alexander Andonov / Vladimir Pavlov | 5h | Yes | The sending of valid and invalid requests to the cluster is tested. Also, requesting if enough resources are available is tested and works. We still need to test the methods that ask the cluster if there are enough resources for the specific job, because we weren't sure how to mock that interaction between the microservices. |
| | 6 hours before the following day, a request should be automatically approved as long as there are free resources available for the faculty of the requesting user. | Alexander Andonov | 1h | Yes | Focused mainly on testing, since we figure coverage is more important and this issue can be quickly added in. |

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| | 5 minutes before the following day, no request should be accepted for that day anymore. | Vladimir Pavlov | 3h | Yes | The additional requirement to the functionality of sending requests works without previous implementation. |
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Problems encountered

1. A lot of functionality could have been expanded if we had more time. In future projects, we will all strive to do more in the beginning to have spare time and resources towards the deadline.
2. More communication issues between each other. In the future, we will try to be more communicative and open to others' interpretations of events that we ourselves may have ignored.