## Cloud Computing Report Assignment 3 Group B

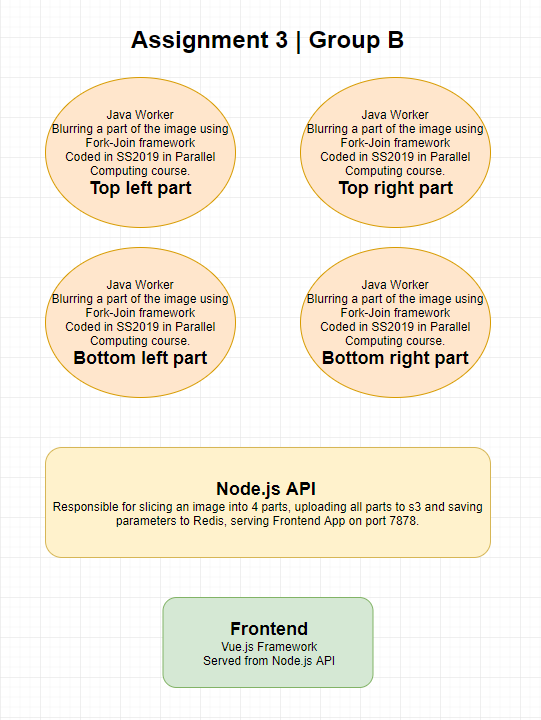


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| **Datum:** | 26.12.2019 |

### Image Blurring Program

Blurring images pixel by pixel using simple java program from the course “Parallel Computing (SS2019)” using Fork-Join framework. So, code belongs to student (01646292). When using the program, please choose big image (high resolution). Image will be sliced (by Node.js program) into 4 equal parts and each part will be forwarded to separate worker (already mentioned Java FK blurring) for processing.

The image in the end will have the cross in the middle, because the algorithm colors the border in black. But however, that’s not the topic of the assignment and we hope that won’t play the role in rating.

In order to use our program, visit:  
[ec2-18-184-231-193.eu-central-1.compute.amazonaws.com:7878  
  
**Architecture Overview**As described in the forum, inter-parallelization part is done inside of each java worker, and intra-parallelization part is done by slicing image into 4 equal parts and forwarding each part to one java worker for processing in parallel.](http://ec2-18-184-231-193.eu-central-1.compute.amazonaws.com:7878Architecture%20Overview)   


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Conclusion

The Assignment 3 was very interesting for all of us, specially because it was something real, scalable and professional. We worked well as a team and happy that we learned a lot from each other. Many thanks for such great assignments so far 😊