

Work Process

Group 15

January 25, 2024

Contents

1	Overall Work Distribution	1
1.1	Martin	1
1.2	Evgeni	2
1.3	Nikola	2
2	Mark justification	2
2.1	Martin	2
2.2	Evgeni	2
2.3	Nikola	2
3	Individual reflections	2
3.1	Martin	2
3.1.1	Stong points	2
3.1.2	Weak points	2
3.1.3	Learning moments	3
3.1.4	Improvements for the next project	3
3.2	Evgeni	3
3.2.1	Stong points	3
3.2.2	Weak points	3
3.2.3	Learning moments	3
3.2.4	Improvements for the next project	3
3.3	Nikola	3

1 Overall Work Distribution

1.1 Martin

- Took major parts in designing all versions of the project's infrastructure.
- Documentation writing (Project Plan, Design Document).
- Terraform scripting.
- Programming (Flask API, Lambda functions: createMSK, Login).
- Managing and Configuring API Gateways.
- Authentication flow (Cognito, IAM).

- Route53 connection to Cognito.
- MSK Authentication and testing.

1.2 Evgeni

- Took major parts in designing all versions of the project's infrastructure.
- Documentation writing (Project Plan, Design Document).
- Terraform scripting.
- Programming (Flask API, Lambda functions: deleteMSK, CloudWatch dashboard).
- Managing and Configuring API Gateways.
- Monitoring (CloudWatch).
- Route53 connection to API.

1.3 Nikola

2 Mark justification

2.1 Martin

2.2 Evgeni

2.3 Nikola

3 Individual reflections

3.1 Martin

3.1.1 Strong points

- Being responsible.
- Ensuring quality over quantity.
- Validating information sources.
- Learning services that enterprises use, although they are out of scope.
- Not relying on step-by-step tutorials and AI models.

3.1.2 Weak points

- Relying too much on the documentation (AWS tends to sugarcoat their products) - I had some occurrences where I could have saved so much time by just reading a simple forum thread about a service I am about to use.
- At some point, I lost sight of the bigger picture because I was over-optimizing.

3.1.3 Learning moments

Throughout the semester, I had countless opportunities to hone my troubleshooting skills.

I also learned to not concentrate too much on the researching aspect of a project since documentation takes you so far. You will know if a service could be useful once you start utilizing it. And not just using it, but most importantly - breaking it.

3.1.4 Improvements for the next project

- Benefit from some real-world opinions synthesized by experience before you start researching or implementing something.
- Start small and simple and go from there. Don't throw yourself in a sea full of things you haven't even heard of.
- Don't forget the end goal - the project should have an overall completeness.

3.2 Evgeni

3.2.1 Strong points

- Always present and took part in all parts of the project.
- Does his part of the work.
- Communicate with the teammates.

3.2.2 Weak points

- Takes too much time to research (dives too deep).

3.2.3 Learning moments

The entire semester was a learning opportunity because I was constantly researching and troubleshooting Evaluation of spent effort: I did my tasks and took part as much as I could. I think I did everything I could do on the project and I can say that I spent a good amount of time working on it every week.

3.2.4 Improvements for the next project

- Research in a more optimal way without spending too much time on the side tasks.
- Be more focused on the goal.
- Improve my communication with the stakeholders (reply to emails more often and check the mailbox).

3.3 Nikola