

Meeting log

1. Meeting

- Date: 10. October 2024.
- Participants: Ivo Mujo, Polina Rykova, Adriano Faletar, Vjekoslav Gračaković, Marija Klenkar, Vilim Skorić
- Agenda:
 - Team formation
 - Agreement on the method of communication (Discord)
 - Agreement on technologies to be used (React + Spring)
 - New idea discussion

2. Meeting

- Date: 16. October 2024.
- Participants: Ivo Mujo, Polina Rykova, Adriano Faletar, Vjekoslav Gračaković, Marija Klenkar, Patrik Landeka, Vilim Škorić
- Agenda:
 - Abandonment of the new idea
 - Defining app functionalities through interface design tool (Figma)

3. Meeting

- Date: 22. October 2024.
- Participants: Polina Rykova, Adriano Faletar, Vjekoslav Gračaković, Marija Klenkar, Patrik Landeka
- Agenda:
 - Defining functional and non-functional requests

4. Meeting

- Date: 25. October 2024.
- Participants: Ivo Mujo, Adriano Faletar, Vjekoslav Gračaković, Marija Klenkar, Patrik Landeka, Vilim Skorić
- Agenda:
 - Finishing discussion about the app functionalities
 - Forming a team for the documentation process

5. Meeting

- Date: 30. October 2024.
- Participants: Vjekoslav Gračaković, Marija Klenkar, Patrik Landeka, Vilim Skorić
- Agenda:
 - summing functional requests
 - defining stakeholders and actors
 - making use cases

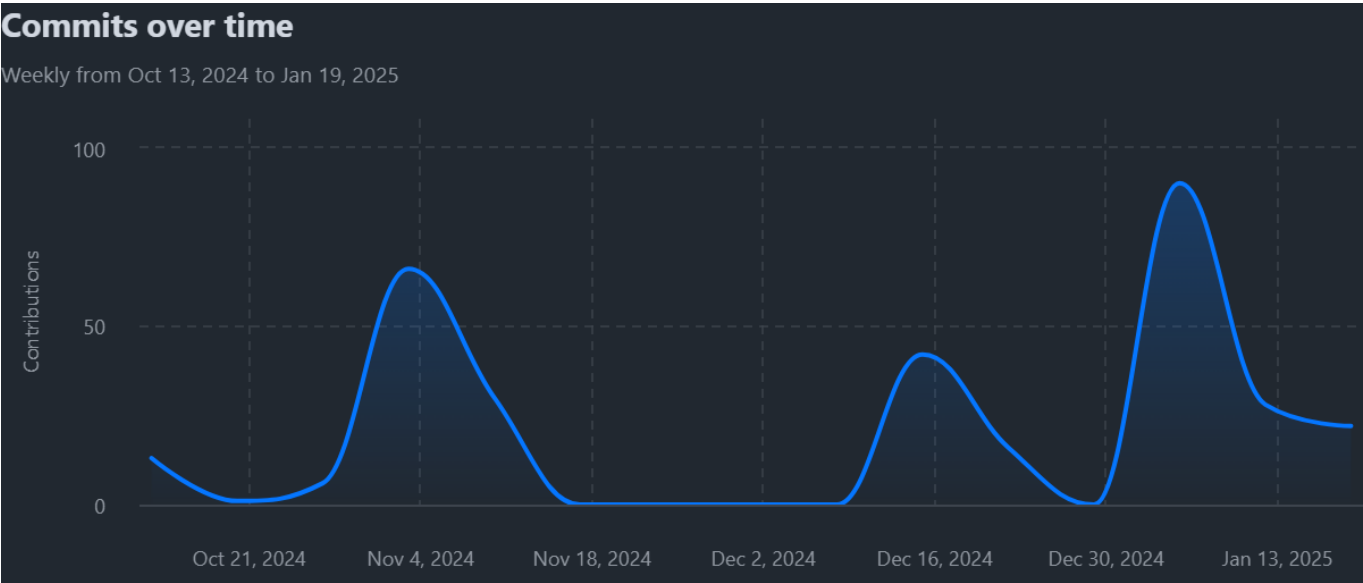
Work Plan

Activity Table

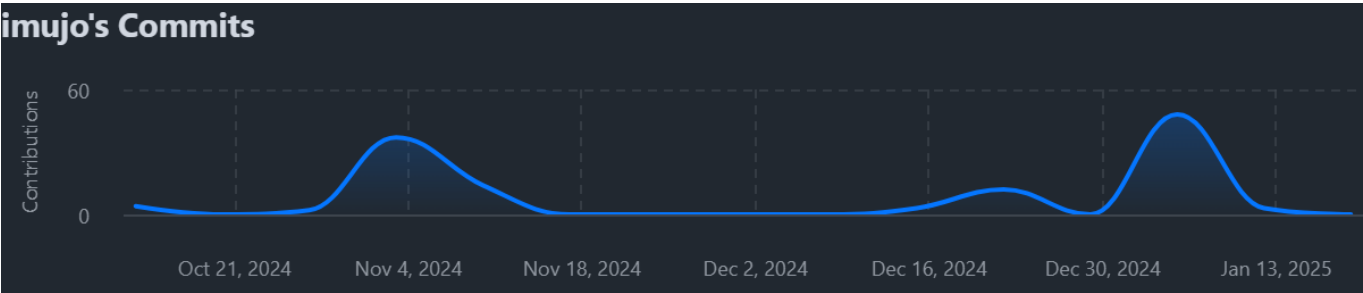
Activity	Ivo Mujo	Polina Rykova	Adriano Faletar	Vjekoslav Gračaković	Marija Klenkar	Patrik Landeka	Vilim Skorić
Project Management		10	1	3	1		
Project Task Description		2		3	1		
Functional Requirements		2	1	5	3	1	
Description of Individual Patterns							
Diagram of Patterns							
Sequence Diagrams				10			
Description of Other Requirements					6		
Architecture and System Design						10	5
Database	6		15				5
Class Diagram				13			
Statechart						5	
Activity Diagram						2	
Component Diagram							3
Used Technologies and Tools	5	2	5	3			
Testing the Software Solution						15	10
Deployment Diagram							
Startup Instructions							
Meeting Log	1			2			
Conclusion and Future Work							
List of Literature							

Activity	Ivo Mujo	Polina Rykova	Adriano Faletar	Vjekoslav Gračaković	Marija Klenkar	Patrik Landeka	Vilim Skorić
Additional Items on How You Shared							
Creation of the Home Page	20	5		1			
Database Creation	3		10				
Database Connection	3		5				
Presentation Creation						1	
Deployment	20						
Backend development	20		60	25			
Frontend development	20	60	20				

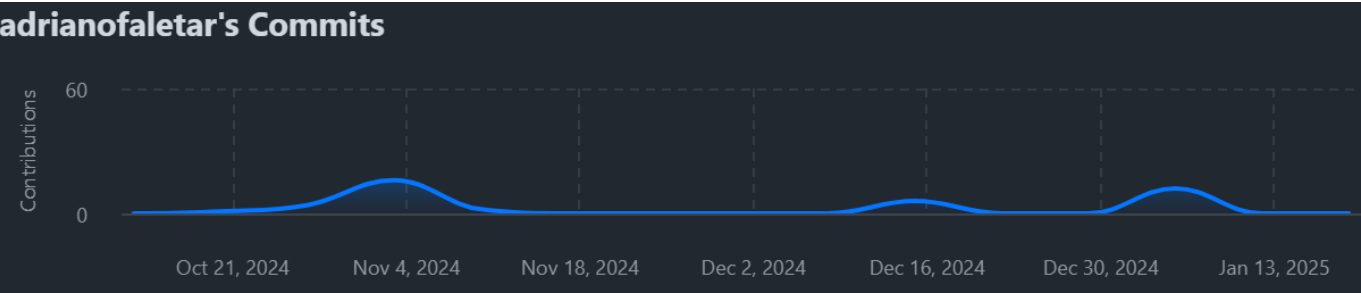
Change Overview Diagram



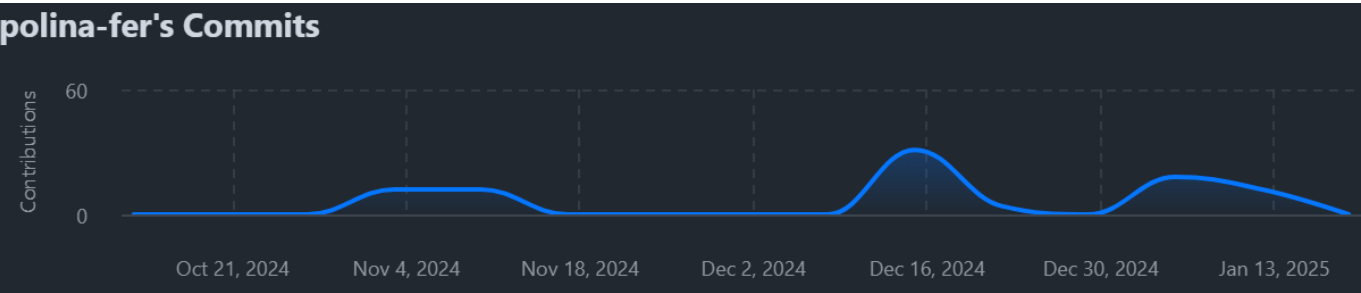
Ivo Mujo



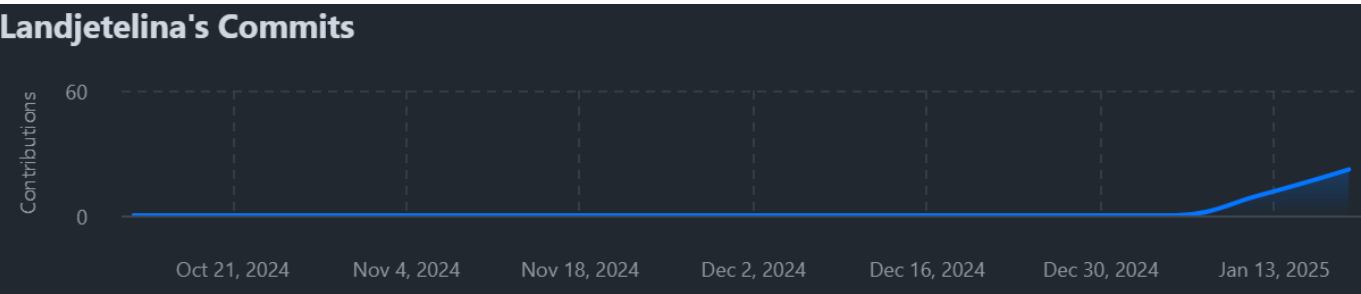
Adriano Faletar



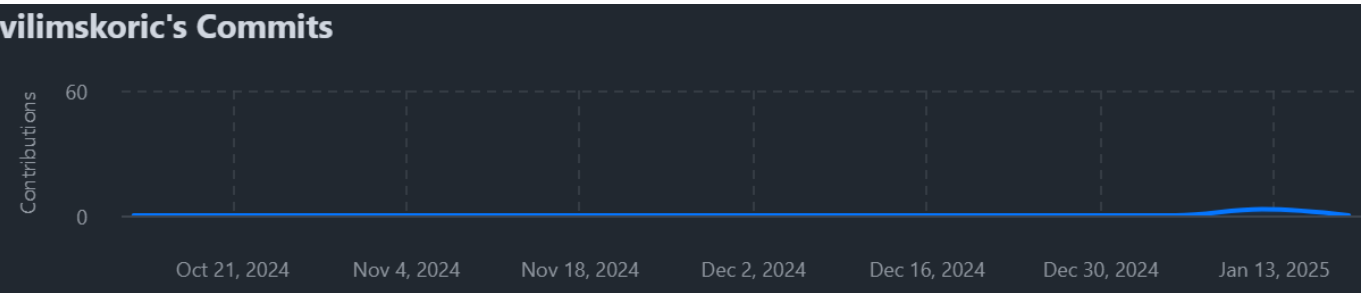
Polina Rykova



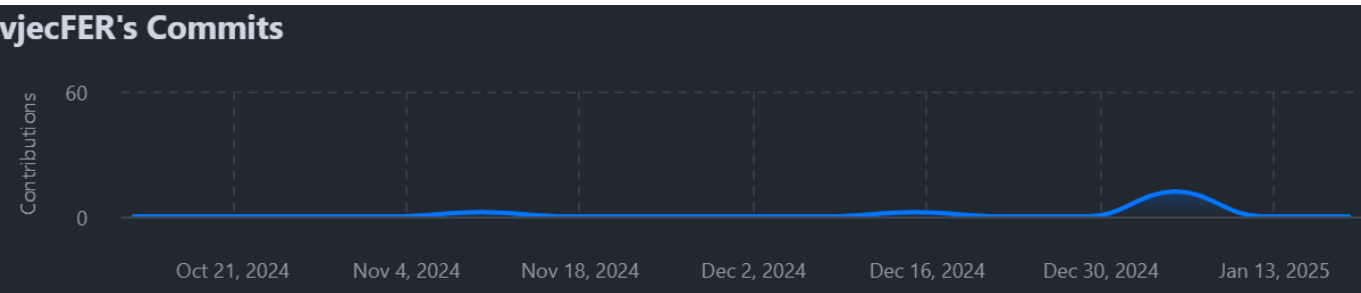
Patrik Landeka



Vilim Skorić



Vjekoslav Gračaković



Key Challenges and Solutions

Throughout the project, our team encountered several key challenges that impacted both the technical and collaborative aspects of development. These challenges were addressed through problem-solving, teamwork, and continuous learning, leading to important improvements in our process.

Challenge 1: Time Management and Development Delays

One of the main challenges was effectively managing the project timeline. We initially underestimated the time required for certain tasks, particularly in areas like API integration and deployment. As a result, there were delays, especially as the project neared its completion.

Solution:

To resolve this, we started breaking down tasks into smaller, more manageable units, allowing us to track progress more accurately. We learned the importance of setting realistic deadlines and adjusting our expectations as the project progressed. Going forward, more thorough planning at the beginning of the project would help us avoid these delays.

Challenge 2: Technical Difficulties with API Integration

Integrating the Google Maps API into the application was a significant challenge. We faced issues related to geolocation and API key management, which caused some setbacks in the functionality. Additionally, testing the integration for different edge cases was more time-consuming than expected.

Solution:

We resolved this by working closely together to understand the API's documentation and reviewing code regularly. The team collaborated effectively, learning about the integration process and implementing better error handling for API calls. In the future, allocating more time for integration testing would reduce issues related to external services.

Challenge 3: Team Collaboration and Communication

Effective communication within the team was sometimes challenging, especially when remote collaboration was needed. There were instances where team members were unclear about certain requirements, which slowed down progress.

Solution:

We addressed this by having regular check-ins and clearer task assignments, which helped improve communication. We used collaborative tools like Slack and GitHub for better tracking and quicker feedback. In future projects, setting up structured daily or weekly meetings and better defining roles at the start would contribute to smoother collaboration.

Challenge 4: Managing Limited Experience

Some team members had less experience in programming, which occasionally slowed down development in certain areas. Learning curves for tools like Spring Boot, React, and Docker posed additional challenges.

Solution:

We resolved this by providing peer assistance and learning resources to help team members catch up. Pair programming and code reviews became useful tools in addressing knowledge gaps. For future projects, ensuring that all team members are familiar with the core technologies beforehand would help in accelerating the development process.