

MRS – Introductory document

Last modified: 08.12.2025

Project theme: uber-like transport application

Academic year 2025/2026

Team members

- Bogdan Ljubinković - SV2/2023
- Miljan Jokić - SV59/2023
- Dragan Gavrić - SV84/2024

Project overview

The team is developing a mobile and web system for ordering transportation services, inspired by existing ride-sharing platforms. The project is implemented across five courses:

- *Inženjerstvo serverskog sloja (ISS)*
- *Inženjerstvo klijentskog sloja (IKS)*
- *Mobilne aplikacije (MA)*
- *Metodologije razvoja softvera (MRS)*
- *Testiranje softvera (TS)*

Each sprint lasts 2 weeks and each member must act as product owner, scrum master and developer at least once.

Sprint 1 (08.12.2025 → 22.12.2025)

Product owner: Bogdan Ljubinković

Scrum master: Miljan Jokić

Developers: All team members

Goal: Establish the full project foundation for all KT1 deliverables and set up the Scrum workflow.

Detailed backlog:

1. Project initialization
 - Create GitHub repository and branch workflow
 - Set up Trello board
 - Add assistant to board

- Define the shared Design in Figma (colors, typography and components)
2. ISS – Server layer (KT1 preparation)
- Generate Spring Boot project
 - Create all controller classes with required endpoints (structure only)
 - Define basic domain models (User, Driver, Vehicle, Ride, etc...)
 - Configure database connection (H2 or PostgreSQL)
3. IKS – Web client (KT1 preparation)
- Generate Angular project
 - Implement routing and base navigation layout
 - Login, registration and basic user info for individual profile
 - Apply Angular material
4. MA – Mobile application (KT1 preparation)
- Create Android project (Java)
 - Implement core navigation layout
 - Create basic profile screen UI
 - Align UI with Figma design system
5. MRS documentation
- Write the introductory document
 - Define Scrum role rotation for all sprints
 - Define weekly work plan
 - Create first burndown chart (sprint 1 baseline)
6. Sprint review – 22.12.2025
- Present KT1 UI (web + mobile) and server structure
7. Sprint retrospective – 23.12.2025

Sprint 2 (23.12.2025 → 10.01.2026)

Product owner: Miljan Jokić

Scrum master: Dragan Gavrić

Developers: All team members

Goal: Enable all users logging in and manage their profiles while starting the foundation for ride ordering

TODO:

- Implement backend logic for authentication
- Connect login and registration UI with backend
- Implement profile update functionality
- Start ride-ordering logic
- Create notification entities / service structure
- Prepare materials for MRS KT1 (16.01.2026)

Sprint 3 (10.01.2026 → 28.01.2026)

Product owner: Dragan Gavrić

Scrum master: Bogdan Ljubinković

Developers: All team members

Goal: Fully implement the core ride-ordering and tracking features, ensure all mobile-server integrations are complete and stabilize the application for the next milestone review

TODO:

- Complete ride-ordering workflow
- Implement ride tracking, ride history, rating
- Implement PANIC functionality
- Start implementing admin features
- Complete mobile-server integration
- Stabilize all features for ISS/IKS KT2 (28.01.2026)

Sprint 4 (28.01.2026 → 11.02.2026) ?

Maybe we could complete everything in 3 sprints, so we'll see...