

Sprint Schedule

Sprint	Start Date	End Date	Sprint Review Meeting
Sprint 1	13.01.2025	27.01.2025	27.01.2025
Sprint 2	27.01.2025	10.02.2025	10.02.2025
Sprint 3	10.02.2025	03.03.2025	03.03.2025
Sprint 4	03.03.2025	14.03.2025	14.03.2025
Sprint 5	12.03.2025	25.03.2025	26.03.2025
Sprint 6	26.03.2025	08.04.2025	09.04.2025
Sprint 7	09.04.2025	22.04.2025	23.04.2025
Sprint 8	23.04.2025	06.05.2025	07.05.2025

Sprint 1 (Weeks 1-2: Foundation)

Focus: Core setup, database design, and foundational user interface.

Tasks:

- 1. Project Ideation and Conceptualization (13.01.2025 to 15.01.2025)**
 - Define project vision and make key user stories and project goals.
 - **Assigned to:** Ade, Heta, Mika, and Jonne.
- 2. Organize the project (17.01.2025 to 21.01.2025)**
 - Organize the project using Trello for task management.
 - **Assigned to:** Mika and Jonne.
- 3. Setup Github repository (21.01.2025 to 23.01.2025)**
 - Create project structure with separate modules for UI, server-side, and backend.
 - **Assigned to:** Mika and Jonne.
- 4. Create a prototype (19.01.2025 to 23.01.2025)**
 - Design a UI prototype for mobile application with Figma
 - **Assigned to:** Ade and Heta.
- 5. Database Design (24.01.2025 to 27.01.2025):**
 - Design and create the database schema for:
 - Participants (name, phone, email, profile picture).
 - Interests (participant preferences by number).
 - Matches (post-session pairings).

- Write SQL scripts for database initialization and sample data population.
- **Assigned to:** Mika and Jonne.

Sprint 2 (Weeks 3-4: CRUD and Integration)

Focus: Implementing core profile creation, interest selection, and session result display.

Tasks:

1. Participant Features (28.01.2025 to 08.02.2025):

- Develop a JavaFX form for participant profile creation (name, phone number, profile picture).
- Develop JavaFX pages for profile, login, session interest, guest, welcome, and options.
- Enable profile image randomization from predefined icons.
- Implement backend logic to store and retrieve participant profiles in the database.
- Allow participants to modify profile details in the profile view.
- **Assigned to:** Jonne and Ade.

2. Interest Management (04.02.2025 to 08.02.2025):

- Develop an interest selection screen where participants choose interests at session start.
- Implement subsequent selection steps where users refine their preferences.
- Store and retrieve participant interests in the database.
- Display final selected interests before moving to the match results screen.
- **Assigned to:** Ade, Heta and Jonne.

3. CRUD Operations for Profiles (28.01.2025 to 06.02.2025)

- Develop Create, Read, Update, and Delete operations for participant profiles.
- Write and test Java methods for connecting to MariaDB and executing simple queries.
- Make DAO classes for BE
- **Assigned to:** Mika Laakkonen

4. Match Result Display (04.02.2025 to 08.02.2025):

- Design a results screen that shows a participant's match based on predefined dummy data.
- Implement the logic to retrieve and display the match data.
- **Assigned to:** Heta and Ade.

5. UI Integration (08.02.2025 to 10.02.2025):

- Connect the JavaFX interface to the MariaDB database for profile and interest management.

- **Assigned to:** Ade and Heta.
- 6. Testing (Ongoing throughout Sprint):**
 - Write JUnit tests for interest selection and profile CRUD operations.
 - **Assigned to:** Mika.

Sprint 3 (Weeks 5-6: Advanced Features)

Focus: Match display refinement, UI/UX improvements, and admin user/match view.

Tasks:

- 1. Post-Session Features (10.02.2025 to 14.02.2025):**
 - Display matchmaking results page.
 - Display matchmaking summary.
 - **Assigned to:** Jonne & Heta
- 2. UI Enhancements (10.02.2025 to 20.02.2025):**
 - Improve the overall UI/UX design for better usability.
 - Integrate a help section with instructions on app usage.
 - **Assigned to:** Jonne & Heta
- 3. Connecting BE-FE (10.2.2025 to 16.2.2025)**
 - Connecting features to communicate the frontend and backend functionality.
 - Matching and Session services and controllers.
 - **Assigned to:** Ade
- 4. Admin Features (14.02.2025 to 16.02.2025):**
 - SQL query to retrieve users and their matches from the database, possibility to remove users.
 - Develop JavaFX pages for admin.
 - **Assigned to:** Mika, Ade, and Jonne
- 5. Final Features (20.02.2025 to 03.03.2025):**
 - Implementing a random rotation of set images for user profiles for a more user friendly experience.
 - **Assigned to:** Ade.
- 6. Testing and CI/CD (Ongoing throughout Sprint):**
 - Write JUnit tests for matchmaking.
 - Set up CI/CD pipelines for automated testing and deployment.
 - Coverage test (JaCoCo)
 - **Assigned to:** Mika, Jonne, Ade.

Sprint 4 (Weeks 7-8: Final Features, Testing Final Presentation, and Submission)

Focus: System testing, and deployment readiness.

Tasks:

1. **Extensive Testing (03.03.2025 to 14.03.2025):**
 - Perform integration testing to ensure all features work seamlessly.
 - Write additional JUnit tests for edge cases.
 - **Assigned to:** Ade and Jonne.
2. **Containers and Deployment (03.03.2025 to 14.03.2025):**
 - Containerize the application using Docker for portability and easy deployment.
 - Test the deployment process in staging and production environments.
 - **Assigned to:** Mika and Heta.
3. **Presentation Preparation (07.03.2025 to 14.03.2025):**
 - Create a comprehensive presentation showcasing all features.
 - Demonstrate how automation simplifies speed dating events.
 - **Assigned to:** Ade, Heta, Mika, and Jonne.
4. **Project Wrap-Up (10.03.2025 to 14.03.2025):**
 - Submit complete documentation, including database schema, feature descriptions, and testing reports.
 - **Assigned to:** Ade, Heta, Mika, and Jonne.
5. **Documentation (Ongoing throughout Sprint):**
 - Write user guides, system design documentation.
 - **Assigned to:** Ade, Heta, Mika, and Jonne.

Sprint 5 (Weeks 9-10: User Interface and Database Localization Planning)

Focus: Preparing the system for localization by enabling multilingual support in the UI and database.

Tasks:

1. **Sprint and Product Backlog Update (18.03.2025 to 22.03.2025)**
 - Update the product backlog to reflect localization requirements.
 - Add new user stories, tasks, and acceptance criteria for localization.
 - **Assigned to:** Jonne.
2. **User Interface Localization (20.03.2025 to 24.03.2025)**
 - Ensure the user interface is fully prepared for localization.
 - Identify all text elements that require translation.
 - Implement a language selection feature allowing users to switch languages dynamically.
 - **Assigned to:** Ade and Jonne.
3. **Database Localization (20.03.2025 to 25.03.2025)**
 - Plan and prepare the database for handling multilingual data.
 - Develop a strategy for managing character encoding and locale settings to support multiple languages.
 - **Assigned to:** Mika and Heta.

4. Identification of Localization Resources (24.03.2025 to 26.03.2025)

- Identify essential resources, such as translators and content management systems, for the localization process.
- Research best practices for UI/UX adaptation for different languages and regions.
- **Assigned to:** Ade and Heta.

5. Initial Sprint Planning and Sprint Review Report (26.03.2025 to 01.04.2025)

- Finalize the sprint plan detailing tasks and estimated story points for UI and database localization.
- Document and review sprint progress and challenges in a sprint review report.
- **Assigned to:** Mika and Jonne.

Sprint 6 (weeks 11-12: Code Review, Clean-Up and Acceptance Testing)

Focus: Final polishing of the project through systematic code quality review, refactoring, and planning acceptance testing.

Tasks:

1. Sprint and Product Backlog Update (01.04.2025 to 02.04.2025)

- Review and update the product backlog to include code review, clean-up, and acceptance testing tasks.
- Add relevant user stories and tasks for sprint 6, with estimated effort and dependencies.
- **Assigned to:** Jonne and Mika

2. Statistical Code Review (03.04.2025 to 06.04.2025)

- Use static analysis tools (Checkstyle, PMD, SpotBugs) to evaluate the codebase.
- Analyze and document key metrics: code complexity, duplication, line count, and unreachable blocks.
- Compile a Code Review Report with findings and screenshots.
- **Assigned to:** Heta and Mika

3. Code Clean-Up and Refactoring (06.04.2025 to 10.04.2025)

- Refactor identified problematic areas: reduce complexity, eliminate redundancy, and clean variable names.
- Ensure formatting consistency using linting tools.
- Run unit tests after changes to verify functionality remains intact.
- **Assigned to:** Jonne and Ade

4. Acceptance Test Planning (05.04.2025 to 11.04.2025)

- Define formal acceptance criteria based on project requirements.
- Design acceptance test cases to validate functionality, usability, and performance.
- Create a written Acceptance Test Plan report.

- **Assigned to:** Heta and Ade
- 5. Documentation and Reporting (12.04.2025 to 14.04.2025)**
 - Finalize and polish the Code Review Report and Acceptance Test Plan.
 - Ensure proper project documentation, including inline code comments.
 - Prepare GitHub repository for submission (final commit with passing tests).
 - **Assigned to:** Mika and Jonne
- 6. Sprint Review and Retrospective (15.04.2025)**
 - Review completed tasks, assess team performance, and identify sprint challenges.
 - Document lessons learned and propose improvements for future projects.
 - **Assigned to:** Ade, Heta, Mika, and Jonne

Sprint 7 (weeks 13-14: Beta, Performance, and Reliability Testing)

Focus: Preparing the application for release by conducting performance evaluations, beta testing, and thorough User Acceptance Testing (UAT), while addressing reliability and multilingual feature improvements.

Tasks:

- 1. Sprint and Product Backlog Update (15.04.2025 to 16.04.2025)**
 - Review and update the product backlog to include User Acceptance Testing (UAT), bug fixing, beta testing, and performance evaluations.
 - Add new user stories related to multilingual UI, session logic, and admin features.
 - Update the backlog and sprint board in Trello.
 - **Assigned to:** Mika
- 2. Acceptance Test Planning (17.04.2025 to 18.04.2025)**
 - Create an Acceptance Testing Plan based on project requirements and user stories (minimum of 10 test cases).
 - Ensure coverage of functional, usability, and performance aspects across all user interactions.
 - Define criteria in line with Sprint goals and product backlog items.
 - **Assigned to:** Jonne and Ade
- 3. Conduct Acceptance Testing (19.04.2025 to 25.04.2025)**
 - Execute User Acceptance Testing (UAT) using the test cases.
 - Each group member will rotate as a customer representative during the testing process.
 - Document all results in a shared Excel sheet.
 - **Assigned to:** Ade, Heta, Mika, and Jonne
- 4. Documentation and Reporting (25.04.2025 to 28.04.2025)**
 - Compile a test report summarizing executed test cases.

- Include result tables and evaluate the severity and importance of detected bugs or issues.
- **Assigned to:** Ade, Heta, Mika, and Jonne

5. Sprint Review and Retrospective (08.05.2025)

- Review UAT outcomes, assess test coverage and effectiveness.
- Discuss resolved issues and evaluate the success of beta testing.
- Reflect on team performance and document lessons learned for Sprint 8.
- Prepare the GitHub repository for final submission.
- **Assigned to:** Ade, Heta, Mika, and Jonne

Sprint 8 (weeks 15-16: Final Documentation and Presentation Delivery)

Focus: Completing the project with a polished final presentation, comprehensive documentation, and preparation for submission.

Tasks:

1. Sprint and Product Backlog Update (29.04.2025 to 02.05.2025)

- Review and update the product backlog to reflect final deliverables.
- Update the sprint board and backlog in Trello.
- **Assigned to:** Heta

2. Final Presentation Preparation (30.04.2025 to 03.05.2025)

- Prepare the final presentation using the designated template:
 - Introduction
 - Project Vision and Goals
 - Application Features and Usage
 - Software Architecture and Technologies Used (include visuals like UML, ERD)
 - Localization (UI / DB)
 - Quality Assurance (tools used + summary of results)
 - Lessons Learned
 - Relevant Links: GitHub & Trello
 - Create slides and presentation scripts for each section.
 - Conduct rehearsals to ensure smooth delivery.
- **Assigned to:** All team member

3. Final Documentation Writing (30.04.2025 to 05.05.2025)

- Complete each section of the Final Documentation Template:
 - I. Project Development Process**
 - Applied Methodology
 - Planning and Risk Analysis
 - Agile Implementation Approach
 - Scrum Roles and Responsibilities
 - II. Product Documentation**
 - Introduction

- viii. Design
 - ER Diagrams
 - UML Diagrams
 - UI Mockups
- ix. Features Overview
- x. Implementation Details
- xi. Testing Strategy & Results
- xii. Installation Guide
- xiii. Usage Instructions
- xiv. Troubleshooting
- xv. FAQ (optional)
- xvi. Support & Contact Info (optional)
- Peer review all sections for accuracy and consistency.
- Compile and finalize the complete document.
- **Assigned to:** All team members