

[Project Breakdown 8 Weeks \(scroll down for schedule\)](#)

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 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.