

OTAMS – Deliverable 1 Team Responsibilities & Worklists

Overview

Goal: Implement registration, login, and logout functionality for Students and Tutors.

Bonus: +5% for using a database (Firebase or SQLite).

Deadline: October 13, 2025

Tianqi Jiang – Project Lead (Setup, Integration & Database)

Responsible for overall architecture, Firebase/SQLite integration, and final app assembly.

Worklist

- ☐ Initialize Android Studio project and Gradle configuration
- ☐ Create base package structure (activities , models , database , utils)
- ☐ Design navigation: LoginActivity → RegisterActivity → WelcomeActivity
- ☐ Implement User , Student , Tutor , Admin data model classes
- ☐ Set up **Firebase Realtime Database** connection (or SQLite fallback)
- ☐ Implement CRUD operations for registration & login
- ☐ Seed **Administrator** credentials (admin@otams.ca / admin123)
- ☐ Integrate UI and logic from other members
- ☐ Conduct full functionality test (register → login → logout)
- ☐ Build final APK and create GitHub Release (v0.1)

Member B – Registration Lead (UI & Validation)

Responsible for the design and logic of Student/Tutor registration screens.

Worklist

- ☐ Create **StudentRegistrationActivity** layout (XML + Kotlin/Java)

- ☐ Create **TutorRegistrationActivity** layout (XML + Kotlin/Java)
- ☐ Add text input fields and buttons for all required attributes
- ☐ Implement input validation: empty fields, email format, password length
- ☐ Display user-friendly error messages for invalid inputs
- ☐ Connect registration data to database functions (provided by Tianqi)
- ☐ Test both Student and Tutor registration workflows
- ☐ Capture screenshots for README and demo video

Member C – Authentication & Navigation Lead

Responsible for login, logout, and role-based navigation.

Worklist

- ☐ Implement **LoginActivity** with email/password fields
- ☐ Verify credentials using database query (Student, Tutor, Admin)
- ☐ Navigate to **WelcomeActivity** after successful login
- ☐ Display correct message: “Welcome! You are logged in as <role>”
- ☐ Add Logout button to clear session and return to login screen
- ☐ Handle error messages for incorrect credentials
- ☐ Perform cross-role testing (Student / Tutor / Admin accounts)

Member D – Documentation & Demo Lead

Responsible for UML, README, and demo video preparation.

Worklist

- ☐ Design UML Class Diagram (User , Student , Tutor , Admin , relationships)
- ☐ Ensure UML includes attributes and associations (no Activity classes)
- ☐ Write **README.md** including:
 - ☐ Project overview and installation instructions
 - ☐ Admin credentials for testing
 - ☐ Team roles and contributions
- ☐ Record ≤ 5-minute demo video showing registration → login → logout
- ☐ Verify submission includes: APK, UML PDF, README, and video
- ☐ Confirm correct file names and GitHub Release version (v0.1)

Submission Checklist

- ☒ GitHub repository includes all team members
- ☐ Each member made at least one commit
- ☐ Demo video uploaded (≤ 5 min)
- ☐ UML class diagram (PDF)
- ☐ README file (with Admin credentials)
- ☐ APK file uploaded and named correctly
- ☐ Database implemented (Bonus +5%)

Administrator Account (for testing)

Email: admin@otams.ca

Password: admin123

Version: v0.1

Course: SEG2105 – Introduction to Software Engineering

University of Ottawa – Fall 2025