**TP1 Sprint Backlog**

**Team <n>**

**User Stories Already Implemented (from foundational code)**

**• Login**: User can log in with username/email and password.

**• New Account**: User can register with username, email, password, and role.

**• Update Account**: User can change account information (name, email, password).

**• Admin – First Admin**: First administrator account is created.

**• Admin – Add/Remove Roles**: Admin can assign or remove roles.

**• Role Dispatch**: User with multiple roles selects role after login.

**User Stories Still Needing Implementation**

**1 Enhanced Input Validation**

◦ Validate all fields (names, emails, phone numbers, passwords, roles).

◦ Show clear error messages and block invalid submissions.

**2 Password Management**

◦ Password strength enforcement (length + complexity).

◦ Prevent reuse of old passwords.

◦ Confirm password matching.

**3 Account Update Improvements**

◦ Require current password when changing email or password.

◦ Prevent duplicate email/username use.

**4 Admin Enhancements**

◦ Search user accounts by username or email.

◦ Prevent invalid/duplicate role assignments.

◦ Ensure at least one admin remains at all times.

**5 Role-Specific Features (Role 1 & Role 2)**

◦ Implement fields and workflows required for student/staff roles (per assignment).

◦ Validation on these role-specific fields.

**6 Error Handling & Messaging**

◦ Centralized error feedback system.

◦ User-friendly messages across all views.

**7 Testing Support**

◦ Semi-automated validation testing (similar to PasswordEvaluationTestingAutomation).

◦ Unit tests for helper methods.