

CS 1980 - Capstone Sprint 1 Report

Lymphoma Coalition Database Solution

Spring 2026 - Sprint 1 (Weeks 1-2)

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Team Members

- Cole Goucher (COG31@pitt.edu)
- Leo Liang (LEL144@pitt.edu)
- Hamza H. Al Ebousi (HHA16@pitt.edu)
- Kenechi Ezekoye (KOE2@pitt.edu)

1. Individual Team Member Reports

Cole Goucher

Sprint Tasks Completed:

- Researched AWS as backup platform option (EC2, RDS, cost analysis) - 4 hours
- Contributed to project proposal alternative frameworks section - 2 hours

Next Sprint Tasks Assigned:

- Begin designing custom objects for Member Organizations - 8 hours

Tasks Not Completed: None

Leo Liang

Sprint Tasks Completed:

- Researched Microsoft Power Apps with Dataverse as alternative platform option - 3 hours
- Researched Power of Us program eligibility requirements and application process - 2 hours

Next Sprint Tasks Assigned:

- Configure Salesforce page layouts for Accounts and Contacts - 6 hours
- Design and implement communication log custom object - 8 hours

Tasks Not Completed: None

Hamza H. Al Ebousi

Sprint Tasks Completed:

- Led requirements elicitation and analyzed LC database specification document - 2 hours
- Authored complete project proposal document with architecture design - 3 hours
- Planned Sprint 2 deliverables and task breakdown - 2 hours

Next Sprint Tasks Assigned:

- Create Alliance custom object with fields and relationships - 7 hours
- Configure permission sets and role hierarchy for tiered access - 7 hours

Tasks Not Completed: None

Kenechi Ezekoye**Sprint Tasks Completed:**

- Set up Salesforce Developer Edition org for proof-of-concept testing - 2 hours
- Manually entered 3 test contact records to validate Account-Contact relationships - 1 hour
- Prepared sample data from existing Excel files for migration planning - 2 hours

Next Sprint Tasks Assigned:

- Build Activity Participation custom object with year tracking - 7 hours
- Configure multi-select picklists for disease areas and services - 7 hours

Tasks Not Completed: None

2. Project Status**Number of Delayed Tasks:** 0

All Sprint 1 tasks are on track. The project proposal has been completed, Salesforce proof-of-concept environment is operational, and the team has begun hands-on validation of the Nonprofit Success Pack data model.

Significant Changes to the Plan:

No significant changes to the plan at this time. The team confirmed that Salesforce Nonprofit Cloud remains the primary platform choice, with AWS custom solution documented as a viable contingency option if proof-of-concept reveals unexpected limitations during Sprint 2.

3. Sprint 1 Accomplishments

- **Project proposal completed and submitted**
- **Requirements elicitation completed** - analyzed LC database specifications and existing Excel tracking files
- **Salesforce Developer Edition org established** - team members have access and can begin configuration work
- **Initial proof-of-concept validation** - 3 test contacts entered to validate standard objects
- **Alternative platform research completed** - AWS custom solution documented as backup option

4. Next Steps for Sprint 2 (Weeks 3-4)

- Design and implement all custom objects (Alliances, Communication Logs, Activity Participation)

- Configure custom fields, page layouts, and record types for Member Organizations vs. Alliances
- Set up multi-select picklists for disease areas, services, and LC activities
- Implement permission sets and role hierarchy for tiered access control
- Conduct proof-of-concept validation against all 12 user stories from project proposal
- Finalize platform decision based on proof-of-concept results
- Prepare for Sprint 3 pitch presentation

5. Communication Summary

Sponsor Communication: Initial requirements meeting held with Mikaela Illies (LC Digital Communications Specialist) to review database specifications. CEO Lorna Warwick provided clarifications on tiered access requirements and historical tracking needs. Next meeting scheduled for end of Sprint 2 to demonstrate proof-of-concept.

Team Communication: Team held 3 stand-up meetings during Sprint 1 (Monday, Wednesday, Friday schedule). Scrum Master role for Sprint 1: Hamza. All team members actively participated in requirements discussions and platform selection. GitHub repository established for documentation and configuration tracking.