



CEBU INSTITUTE OF TECHNOLOGY
UNIVERSITY

IT317-G1 PROJECT MANAGEMENT

END-OF-SPRINT BUSINESS ANALYST REPORT

Project Title: LabangOnline

Prepared By: Christian Andrey Reyes/ LabangOnline /
Business Analyst

Sprint Duration: 2

Sprint Duration: 10/6/25 - 10/19/25

Date of Submission: 10/20/25

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1. Team

Name	Role
Andre D. Salonga	Product Owner
Christian Andrey V. Reyes	Business Analyst
Kean Maverick W. Saligue	Scrum Master
Lenon Lee O. Natividad	Lead Developer
Bryne Kendrick P. Nuñez	Developer
Moniquo Nicole C. Mosende	Developer

2. Business Objectives & Value Delivered

(What business goals or objectives did this sprint address? What value was delivered to stakeholders?)

Sprint 2 focused on building LabangOnline's **core system foundation**, specifically secure user access and resident data management. The sprint successfully addressed key business objectives:

- **Secure authentication introduced**, protecting resident accounts through Supabase login, session management, and Gmail-based password recovery.
- **Resident profile management implemented**, adding the ability to view, edit, and update user information and upload ID photos.
- **Database consistency improved** by completing and refining the Entity-Relationship Diagram (ERD), ensuring proper linkage of authentication and profile data.

Delivered Value to Stakeholders:

- A functional and secure entry point for all future users.
- A complete, usable profile management workflow.
- A stable database structure to support upcoming certificate request and barangay service features.

3. Requirement Updates & Refinements

Updated Requirements:

- Password reset via Gmail/SMTP was improved and implemented earlier than expected.
- ERD was refined to reflect complete authentication + profile relationships.
- Authentication validation and session persistence were updated to ensure security and usability.

Newly Identified Requirements:

- Need for improved UI/UX consistency across modules.
- Need for early scalability testing and stronger data validation.
- Requirement to introduce mock data for faster testing in future sprints.

Removed Requirements (if any):

- No requirements were removed during Sprint 2.

4. Alignment with Stakeholder Needs

Sprint outputs aligned strongly with stakeholder expectations:

- Stakeholders praised the team for **full integration** of authentication and profile management.
- The early delivery of **password recovery** showed positive initiative and value-add.
- Stakeholders validated that the system is now ready for higher-level modules like certificate requests.

Overall, Sprint 2 delivered precisely what stakeholders expected, and even exceeded expectations with additional refinements.

5. Gap Analysis

(*Were there gaps between planned deliverables and actual results? How do these affect business objectives?*)

Based on the review and retrospective:

Observed Gaps:

- Git merge conflicts slowed parts of development.
- Some developers struggled with debugging, particularly during backend–frontend integration.
- Communication lapses occasionally occurred due to assumptions about repository updates.
- Mental fatigue affected some productivity levels mid-sprint.

Impact on Business Objectives:

- No incomplete deliverables; however, delays indicated future risk for more complex features.
- Technical skill gaps (e.g., Git mastery) could impact velocity in future sprints.
- Overload and fatigue may affect long-term performance if unaddressed.

Despite these challenges, the sprint still achieved full feature completion.

6. Recommendations for Next Sprint

(Suggested improvements for requirement gathering, backlog prioritization, and business alignment.)

Process & Communication Improvements

- Strengthen early communication about repository updates and schema changes.
- Encourage open discussions during stand-ups about workload, blockers, and fatigue.
- Continue involving the Business Analyst early to maintain clear sprint goals.

Technical Improvements

- Conduct a Git mastery session (already scheduled in the retrospective).
- Begin early unit testing and CI setup to avoid integration issues.

- Improve validation and error-handling guidelines for all new modules.

Backlog Prioritization

- Prioritize the Certificate Request & Issuance module next, as planned.
- Add UI/UX refinement tasks as recurring backlog items to maintain consistency.
- Include mock data preparation tasks to improve testing speed.

Team Health & Productivity

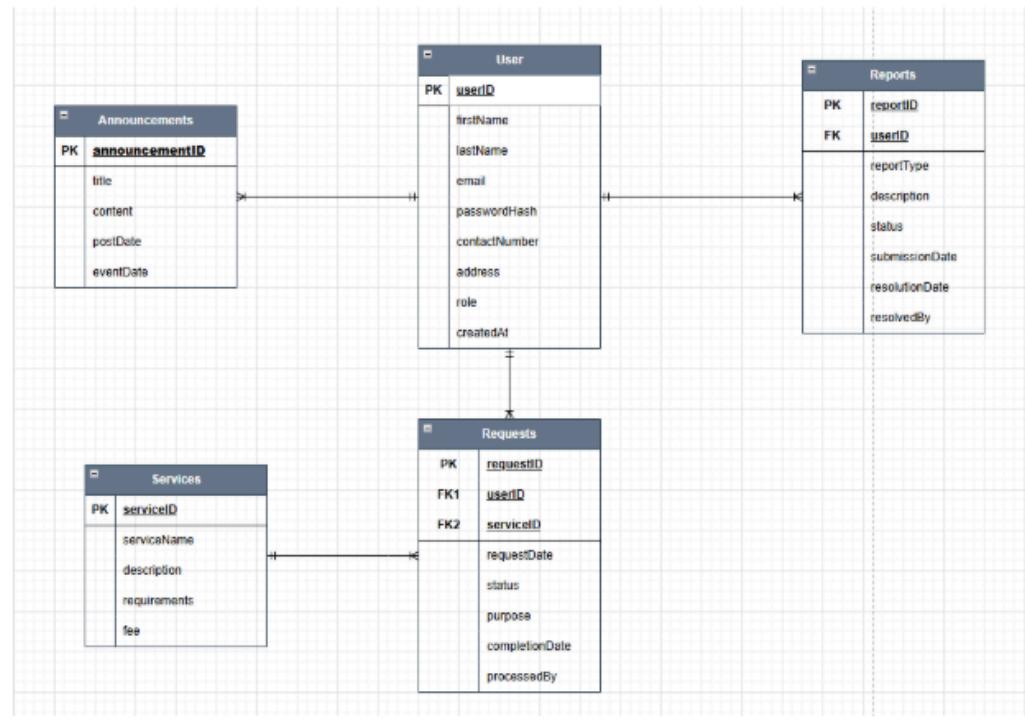
- Schedule light days after heavy debugging sessions.
- Implement short “Focus Check-In” sessions to prevent burnout.
- Encourage mentorship pairs to speed up developer learning curves.

7. Supporting Data / Attachments

(Include diagrams, requirement traceability tables, or summary charts if necessary.)

- Attachment A:

3. Entity-Relationship Diagram (ERD)



- Attachment B:

4. User Login & Authentication Module (Sprint 2)						
4.1 Login form	Natividad	10/6/2025	10/19/2025	Done		
4.2 Authentication backend	Natividad	10/6/2025	10/19/2025	Done		
4.3 Session management	Natividad	10/6/2025	10/19/2025	Done		
4.4 Password reset	Natividad	10/6/2025	10/19/2025	Done		
4.5 Error messages for failed login	Natividad	10/6/2025	10/19/2025	Done		
5. Profile Management						
5.1 Resident ID photo upload	Nuriez	10/6/2025	10/19/2025	Done		
5.3 Edit/update resident profile information	Nuriez	10/6/2025	10/19/2025	Done		
5.5 View complete resident profile (including ID photo & dependents)	Nuriez	10/6/2025	10/19/2025	Done		
Define entities and relationships (ERD creation) <i>(End of Sprint 2)</i>	Mosende	10/6/2025	10/19/2025	Done		

8. Approval Sign-Off

Prepared By:

Business Analyst – 10/20/2025

Reviewed By:

Scrum Master –  10/20/2025

Product Owner –  10/20/2025