

SAD Laboratory Activity 4

Members (Group 1):

Gludo, David Alfred C.

Malata, Ronel Lance S.

Causapin, Nikko Selwyn M.

Vasquez, John Ley Lucky D.

Condicion, Marlo H.

Task 1

Actor	Role / Description
Barangay Resident	A citizen of the barangay who can request documents (e.g., Barangay Clearance, Certificate of Residency).
Barangay Health Worker (BHW)	Conducts house to house census, gathers resident information, and updates health related records.
Barangay Staff	Encodes resident information, processes requests, and issues certificates.
Barangay Captain	Oversees barangay operations, approves important requests, and generates official reports.

Task 2

Use Case Name	Description	Actor(s)
Register Resident	Barangay staff or BHW registers new residents into the system, including personal and household details.	Barangay Health Worker (BHW), Barangay Staff
Conduct Census	BHW conducts house-to-house census and updates the population data in the system.	Barangay Health Worker (BHW)
Request Barangay Clearance	Residents request barangay clearance or certificate online or at the barangay hall.	Barangay Resident
Approve Requests	Barangay Captain reviews and approves requests for official documents.	Barangay Captain
Issue Certificates	Barangay staff generates and issues certificates (Clearance, Residency, etc.).	Barangay Staff
Update Resident Records	Staff updates resident's information (address, status, etc.) in the system.	Barangay Staff
Generate Reports	Barangay Captain generates demographic, census, or activity reports (e.g., population, incidents).	Barangay Captain

Use Case Name	Description	Actor(s)
Verify Resident Data	External agencies verify resident information or documents from the barangay system.	Barangay Health Worker (BHW), Barangay Staff
View Population Insights Through Data Analytics	The system provides visual insights on resident movement and population distribution patterns.	Barangay Captain, Barangay Staff

Task 3

