

SAD Laboratory Activity 4

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Task 1

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

Task 2

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

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

Task 3

