

Barangay Information System (Dashboard Content and Pages)

1. Barangay Information

- **Barangay Profile**
 - No situational scenarios here. However, it's important to ensure that **all information is kept up to date** (e.g., population statistics, which should be automatically updated as residents are added or removed).
 - **Officials Directory**
 - **Situational:** When an official leaves office or passes away:
 - **Update/Remove Official:** Remove deceased officials or officials who have resigned.
 - **New Official Appointment:** Add new officials to the directory and assign them to the correct role.
 - **Record Official's Term End:** Keep a history of when their term ended or when they were replaced.
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2. News & Updates

- **Situational:**
 - **Emergency Announcements:**
If there's a sudden event (e.g., disaster, death of a prominent figure), quickly create news announcements with:
 - **Title:** Urgent announcement regarding the incident.
 - **Body Content:** Detailed message about the emergency, actions needed, or safety protocols.
 - **Event-Specific Information:** If it's a disaster or emergency situation, include details like evacuation points, shelter locations, and emergency contact numbers.
 - **Death Notification:**
 - If an official or prominent resident dies, it could be necessary to create a **tribute announcement** for the community.
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3. Schedules & Events

- **Situational:**
 - **Death of a Resident/Official:**
If a barangay official or resident passes away, there may be a need to:
 - **Reschedule Events:** Postpone or cancel community events due to mourning or funeral schedules.
 - **Memorial Services:** Set up events for memorial services or funeral arrangements, including:
 - **Event Title:** Memorial Service for [Name].
 - **Date, Time, Location.**
 - **Description:** Funeral details and any communal activities.
- **Relocation of Residents:**
 - **Change of Address:** If a resident relocates within or outside the barangay:
 - **Update Resident Information:** Edit their address and contact details.
 - **Delete Old Address:** Remove outdated residency information if they no longer live in the barangay.

- **New Residency:** If they move to a new barangay, mark them as **inactive** and **remove** them from the records.
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4. Resident & Official Management

- **Situational:**
 - **Death of a Resident:**
When a resident dies, follow these steps:
 - **Mark Resident as Deceased:** In the system, mark the resident's status as **deceased** or **inactive**.
 - **Remove Resident's Data:** If appropriate, delete or archive the resident's record after a certain period or based on local laws regarding data retention.
 - **Record Date of Death:** Option to add a date of death and any official notices from the family or local authorities.
 - **Relocation of a Resident:**
If a resident moves:
 - **Update Address:** Change their address in the system to reflect their new home.
 - **Relocation Notification:** Track and log the date of relocation for future references (important for planning purposes, like neighborhood changes).
 - **Confirm Active Status:** If they move outside the barangay, change the resident's status to **inactive** and remove them from the current records.
 - **Disputes:**
If there's a dispute over a resident's status (e.g., someone incorrectly marked as deceased):
 - **Edit and Resolve:** Review the request, verify with proper documents, and make changes if necessary.
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5. Inventory Management

- **Situational:**
 - **Inventory Adjustments Due to Death or Relocation:**
 - **Inventory Return:** If a resident or official passes away or relocates and had barangay-issued items (e.g., medical kits, uniforms), there should be a process for **returning items**.
 - **Adjust Inventory:** Add returned items to inventory, updating their quantities and condition.
 - **Damaged or Expired Items:**
If an item is damaged during an event, or if supplies are expired (e.g., medical or emergency kits), update the inventory to reflect the status.
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6. Requests & Feedback

- **Situational:**
 - **Requests After a Death:**
If a resident or family of a deceased resident submits a request (e.g., funeral assistance, community support), make sure it is **prioritized**. You might also want to:
 - **Add Special Categories:** Create a specific category for emergency or funeral-related requests.

- **Relocation Requests:**
If a resident is relocating, they may submit a request for assistance or services like moving items or transitioning.
 - **Mark Requests as Resolved:** Once the resident has relocated, ensure all related requests are marked as complete or resolved.
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7. Reports & Analytics

- **Situational:**
 - **Death Report:**
Keep a report of deceased residents. This report can be filtered by:
 - **Date of Death.**
 - **Cause (if applicable):** (e.g., health-related, natural cause).
 - **Action Taken:** (e.g., memorial events, assistance provided).
 - **Relocation Report:**
Track residents who have relocated or moved away. This can help with planning for population statistics and resource allocation.
 - **Update Records:** Regular reports on residents who moved, including their new addresses and whether they've moved out of the barangay.
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8. Settings/Permissions

- **Situational:**
 - **Admin Updates After a Death:**
Admins can update or deactivate accounts of deceased officials or residents.
 - **Adjust Permissions During Crisis:**
During critical events (such as a disaster or emergency), admins may need to temporarily modify permissions to grant more access to certain officials for quick decision-making.
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9. Help/Support

- **Situational:**
 - **Support for Bereaved Families:**
Provide resources and assistance options for families who have lost a loved one. This could include directing them to support programs, financial assistance, or funeral help.
 - **Assistance for Relocation:**
Offer help or guide residents through the process if they are moving or changing barangays (e.g., helping with transitioning records).
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Additional Situations to Consider

- **Absentee Residents:**
For residents who are temporarily absent (e.g., working overseas), it may be helpful to have an **absent status** option in the system, so that their information remains but is flagged for follow-up.
- **Emergency Contact:**
Always have an emergency contact field for each resident, in case of incidents like death or health emergencies.

1. Table: barangay_profile

Stores general information about the barangay.

Columns:

- barangay_id (Primary Key, Integer)
 - barangay_name (String)
 - vision (Text)
 - mission (Text)
 - population (Integer)
 - area_size (Float)
 - barangay_address (Text)
 - contact_number (String)
 - email (String)
 - website (String)
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2. Table: officials

Stores data of barangay officials.

Columns:

- official_id (Primary Key, Integer)
 - first_name (String)
 - last_name (String)
 - position (String)
 - contact_number (String)
 - email (String)
 - photo_url (String)
 - status (Enum: Active, Resigned, Deceased)
 - term_start_date (Date)
 - term_end_date (Date)
 - appointed_by (String)
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3. Table: residents

Stores data of residents in the barangay.

Columns:

- resident_id (Primary Key, Integer)
- first_name (String)

- middle_name (String)
 - last_name (String)
 - date_of_birth (Date)
 - gender (String)
 - address (Text)
 - contact_number (String)
 - email (String)
 - status (Enum: Active, Inactive, Deceased)
 - emergency_contact_name (String)
 - emergency_contact_number (String)
 - relocation_date (Date, Nullable)
 - date_of_death (Date, Nullable)
 - notes (Text)
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4. Table: news_updates

Stores announcements or news posts.

Columns:

- news_id (Primary Key, Integer)
 - title (String)
 - body_content (Text)
 - author_id (Foreign Key to officials.official_id)
 - published_date (Datetime)
 - status (Enum: Draft, Published)
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5. Table: events

Stores barangay events and activities.

Columns:

- event_id (Primary Key, Integer)
- event_title (String)
- event_description (Text)
- event_date (Date)
- event_time (Time)
- location (String)
- event_type (Enum: Regular, Memorial, Emergency, Community)
- status (Enum: Upcoming, Completed, Cancelled)

- created_by (Foreign Key to officials.official_id)
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6. Table: inventory

Manages barangay-owned supplies and assets.

Columns:

- inventory_id (Primary Key, Integer)
 - item_name (String)
 - quantity (Integer)
 - category (String)
 - supplier (String)
 - expiration_date (Date, Nullable)
 - condition (Enum: New, Used, Damaged)
 - last_updated (Datetime)
 - assigned_to (Foreign Key to residents.resident_id or officials.official_id, Nullable)
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7. Table: requests

Handles service or support requests from residents.

Columns:

- request_id (Primary Key, Integer)
 - resident_id (Foreign Key to residents.resident_id)
 - request_type (String)
 - request_description (Text)
 - status (Enum: Pending, In Progress, Resolved)
 - created_at (Datetime)
 - resolved_at (Datetime, Nullable)
 - resolved_by (Foreign Key to officials.official_id)
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8. Table: feedback

Logs feedback or complaints from residents.

Columns:

- feedback_id (Primary Key, Integer)
- resident_id (Foreign Key to residents.resident_id)
- feedback_type (Enum: Survey, Complaint, Suggestion)
- content (Text)
- submitted_date (Datetime)
- status (Enum: New, Reviewed, Resolved)

9. Table: relocation_history

Tracks residents who move in or out of the barangay.

Columns:

- relocation_id (Primary Key, Integer)
 - resident_id (Foreign Key to residents.resident_id)
 - old_address (Text)
 - new_address (Text)
 - relocation_date (Date)
 - status (Enum: Moved In, Moved Out)
 - reason (Text)
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10. Table: death_records

Stores official death records of residents or officials.

Columns:

- death_record_id (Primary Key, Integer)
 - person_id (Can link to resident_id or official_id)
 - death_date (Date)
 - cause_of_death (String)
 - recorded_by (Foreign Key to officials.official_id)
 - date_recorded (Datetime)
 - memorial_service_details (Text, Nullable)
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11. Table: admin_permissions

Controls what each official can access or edit.

Columns:

- permission_id (Primary Key, Integer)
 - user_id (Foreign Key to officials.official_id)
 - permission_type (Enum: View, Edit, Create, Delete)
 - resource (String, e.g., 'News', 'Events')
 - status (Enum: Active, Inactive)
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12. Table: activity_logs

Tracks actions taken in the system (audit trail).

Columns:

- log_id (Primary Key, Integer)

- action_description (String)
- user_id (Foreign Key to officials.official_id)
- timestamp (Datetime)
- ip_address (String)
- details (Text)

Let me know if you'd like an ERD (Entity Relationship Diagram) next or a simplified spreadsheet version for easy tracking.