**SELECTED PROBLEM:**

Manual Business Process in Payment of Grants of Social Pension’s Beneficiaries

**PRIMARY ENTITIES:**

1. **BENEFICIARY**

* Unique listing of personal and sensitive information of beneficiary
* Beneficiary to provide updates on the status of the beneficiary

1. **END-USERS –** Contains information of users registered in the system, access roles and group they associated with.
2. **System Administrator**

* Capacitate end users on the use of the application system
* Assign appropriate access role depending on their responsibility
* Provide technical Assistance to the end-users

1. **Social worker**

* Validate and update beneficiary information

1. **Monitoring and evaluation officer**

* Generate reports and monitor updates
* Schedule payments

1. **Data quality assurance officer**

* Conduct quality assurance on the encoded data (data deduplication and cross-matching)
* Conduct risk management

1. **Finance**

* Preparation of payroll
* Recommending approval

1. **Directors**

* Final Approval
* Access Implementation Status

1. **AREA OF ASSIGNMENT** *(interacting entity)*

* Contains the information about area of assignment of the social work

1. **ACCESS ROLE** *(interacting entity)*

* Contains access roles, groups of users, and status

1. **FUND SOURCE**

* Constrains information of the fund sources.

1. **PAYMENT RECONCILIATION**

* Preparation of notice of approved payroll action (NAPA)
* Payroll preparation
* Liquidation reports

**CHARACTERISTIC ENTITIES:**

1. **Approval Status**

* This determines the approval status of the following:

1. Beneficiary information updates
2. Payroll Approval status
3. Retroactive payment approval status
4. **Beneficiary Status**

* This determine the status of the beneficiary:

1. Moved out without notice
2. Deceased/Alive
3. **Disbursement Status**

* Disbursement Status
* Payout schedule

1. **Liquidation Status**

* Contains the liquidation status

**Legend:**

# Unique Identifier (UID)

\* Mandatory Attribute

o Optional Attribute

**User:**

# Id (pk)

\* Username

\* Password

\* group\_id (fk->group)

\* status

**User Group :**

# Id (pk)

\* group name

\* status

**Group Role:**

# id (pk)

\* role id (fk->role)

\* group id

**Role**

# id (pk)

\* role name

\* module code

**Beneficiary**

# id (pk)

\* first name

o middle name

\* lastname

\* birthday

\* psgc code (fk->address)

\* status

**Address**

# psgc code

\* province

\* municipality

\* barangay

**Payroll**

# id (pk)

\* fund source id (fk)

o recommended by (fk->user)

o date recommended

o approved by (fk->user)

o date approved

\* payroll status

\* payroll classification

**Payroll beneficiary**

#id(pk)

\* beneficiary id