

SYSTEMS ANALYSIS AND DATABASE DESIGN: MIT 263

Lab Exercise 2-1 Identifying Key Entities

Alden A. Quiñones

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

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

a. 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

b. Social worker

- Validate and update beneficiary information

c. Monitoring and evaluation officer

- Generate reports and monitor updates
- Schedule payments

d. Data quality assurance officer

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

e. Finance

- Preparation of payroll
- Recommending approval

f. Directors

- Final Approval
- Access Implementation Status

3. AREA OF ASSIGNMENT (*interacting entity*)

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

4. ACCESS ROLE (*interacting entity*)

- Contains access roles, groups of users, and status

5. FUND SOURCE

- Constrains information of the fund sources.

6. PAYMENT RECONCILIATION

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

SYSTEMS ANALYSIS AND DATABASE DESIGN: MIT 263

Lab Exercise 2-1 Identifying Key Entities

Alden A. Quiñones

CHARACTERISTIC ENTITIES:

1. Approval Status

- This determines the approval status of the following:
 - a. Beneficiary information updates
 - b. Payroll Approval status
 - c. Retroactive payment approval status

2. Beneficiary Status

- This determine the status of the beneficiary:
 - a. Moved out without notice
 - b. Deceased/Alive

3. Disbursement Status

- Disbursement Status
- Payout schedule

4. Liquidation Status

- Contains the liquidation status