

5. SOCIETAL & ORGANIZATIONAL PROBLEMS

- government agencies in the Philippines are still working with paperworks
 - Lack of implemented technology in the Academe
 - Lack of wide information dissemination regarding carbon dioxide emissions, ways for individual climate action.
- Lack of sustainable products or systems in provinces to have enough supply of water as well as back up supply.
- Low migration rate of individuals to technological related implementation.

→ SDG 4, 11, 10, 8

→ SDG 12, 11

→ SDG 12, 9, 2, 8

Transparency
Digitalization

Business Process Management

Blockchain
Archive

Approval by signature
steps

CO₂ →

CO₂-

SUBJECT FOR APPROVAL

- 3 titles for approval
- Scope → Check canvas for criteria
- Assignment template (Week 0)



Options

- ① NoPaps: No Papers Please! |
- ② SOFT → simplify operations for faster transactions |||
- ③ P- : Paperless / Paper minus |
- ④ Papercloud ||

- ② GovEfficient ⑦ SwiftGov
- ③ GovDiGi ⑧ GovFlow

07/10/2024
System Design Starts
• Databasing

日本語

Logical Design

* ERD - Entity-Relationship Diagrams (ERDs)

Components

- Entity - real world object / transaction
- Attributes - properties or characteristics
- Relationships - interactions of entities
- Primary key - attribute (or a set of attributes) that uniquely identifies each instance

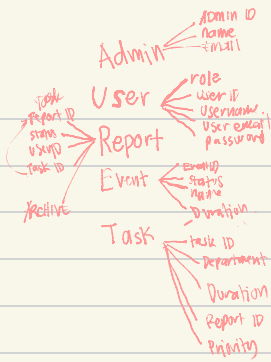
3 Types of Relationship

- One-to-one = passport of 1 person
- One-to-many = customer can place many orders
= each is placed by one customer
- Many-to-many =

Steps (identify 5 entities with attributes → draw relationships
* Redundancy can lead to inconsistency

* foreign key : Linked to attributes





Relationship

