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BPMN IMPLEMENTATION OF THE USERS LIFE CYCLE PROCESS

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Introduction

- Target of this project is to demonstrate the **advantages** of a **BPMN** Engine in the enterprise to **carry on** and track most of the repetitive **tasks** and **processes** happening in the **organization**.

- **Model** the **interaction** between the involved groups of people, including **information** moving between them.

- Propose some **optimizations**, replacing some Manual Task converted into Service Tasks.

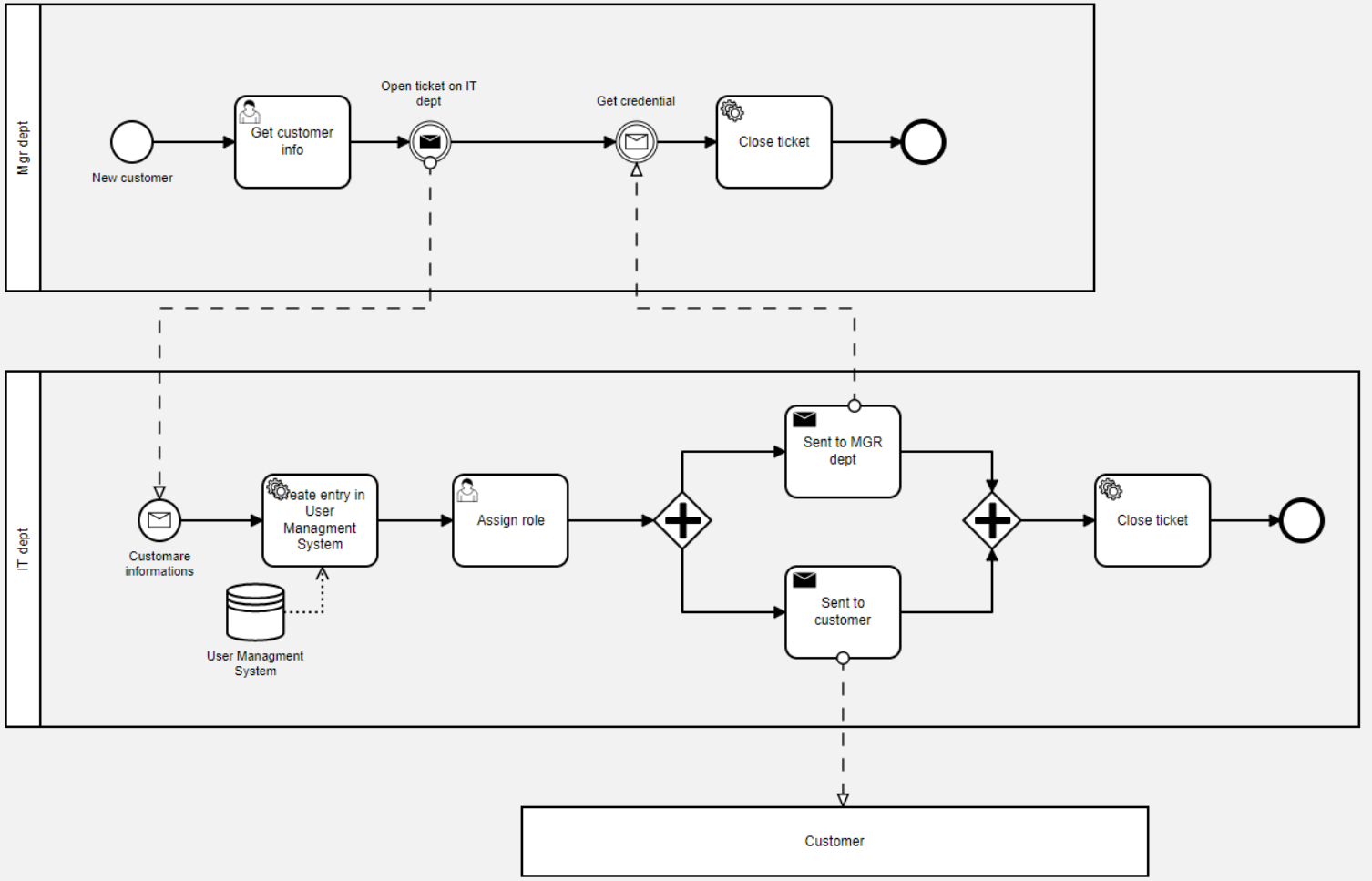
Model implementation

- **Service task** has been implemented as external task; we used a **mock code** to simulate the token flow inside the model.
- Each task **prints a message into the log**, if it is necessary, it prints the value of the needed variables to verify that **message correlation** works properly; each client **subscribes** a specific **topic**.
- In the future it will be possible **replace** each implementation with **real implementation** of the service.

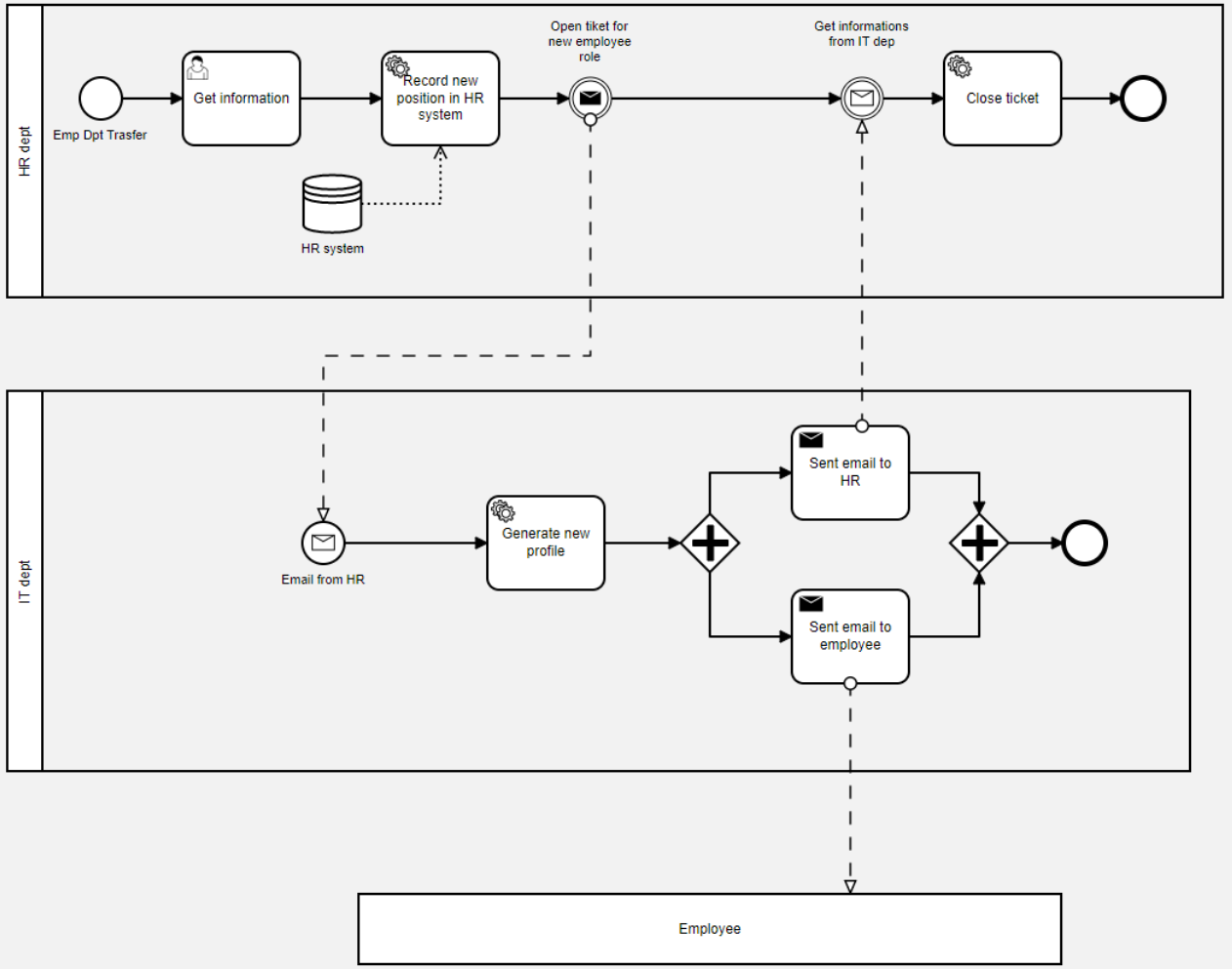
Model implementation

- **Message correlation** has been implemented using **Java class** inside the model.
- Each message correlation has been implemented using a **different java class** and **message id**.
- We **automatized** some tasks that was previously manually executed, so for this reason we have **replaced** some **user tasks** with **service task**.

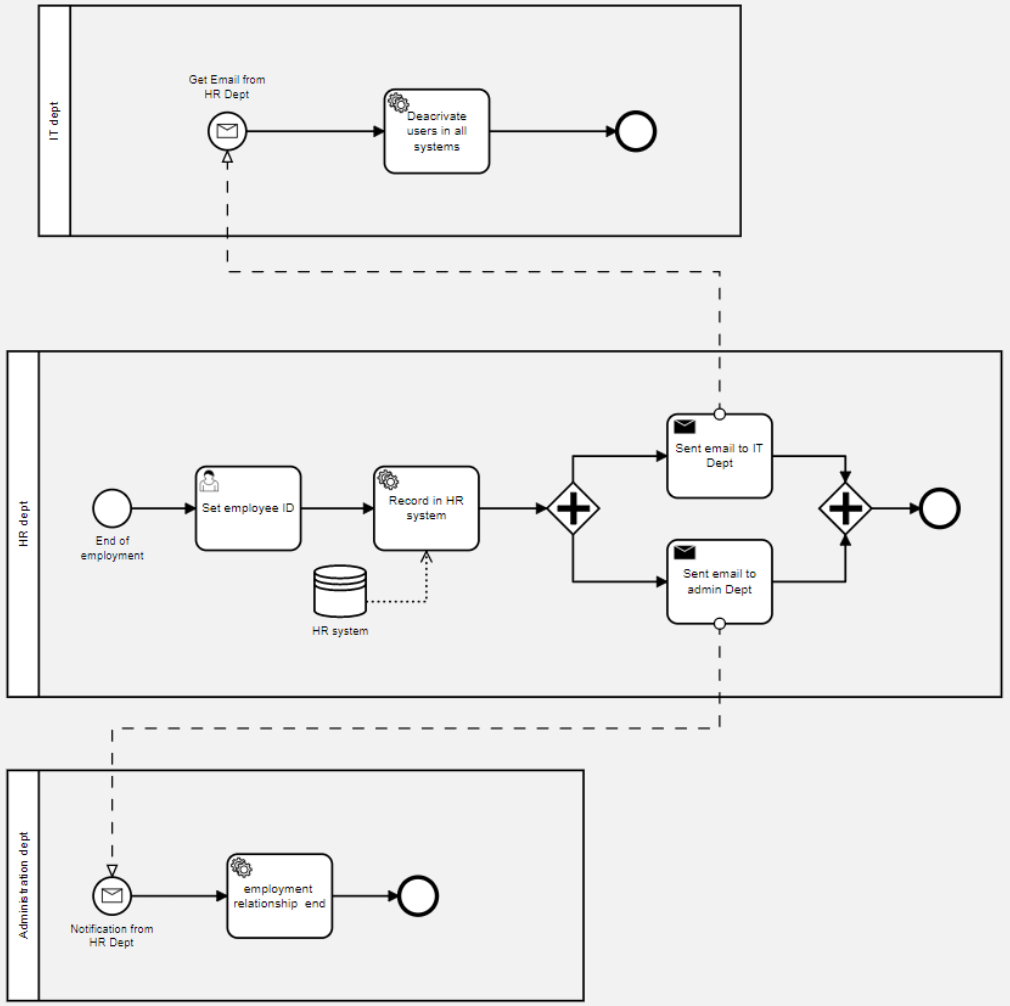
Customer


Mgr dept
New customer
Get customer info
Open ticket on IT dept
Get credential
Close ticket
IT dept
Customare informations
eate entry in User Managment System
User Managment System
Assign role
Sent to MGR dept
Sent to customer
Close ticket
Customer

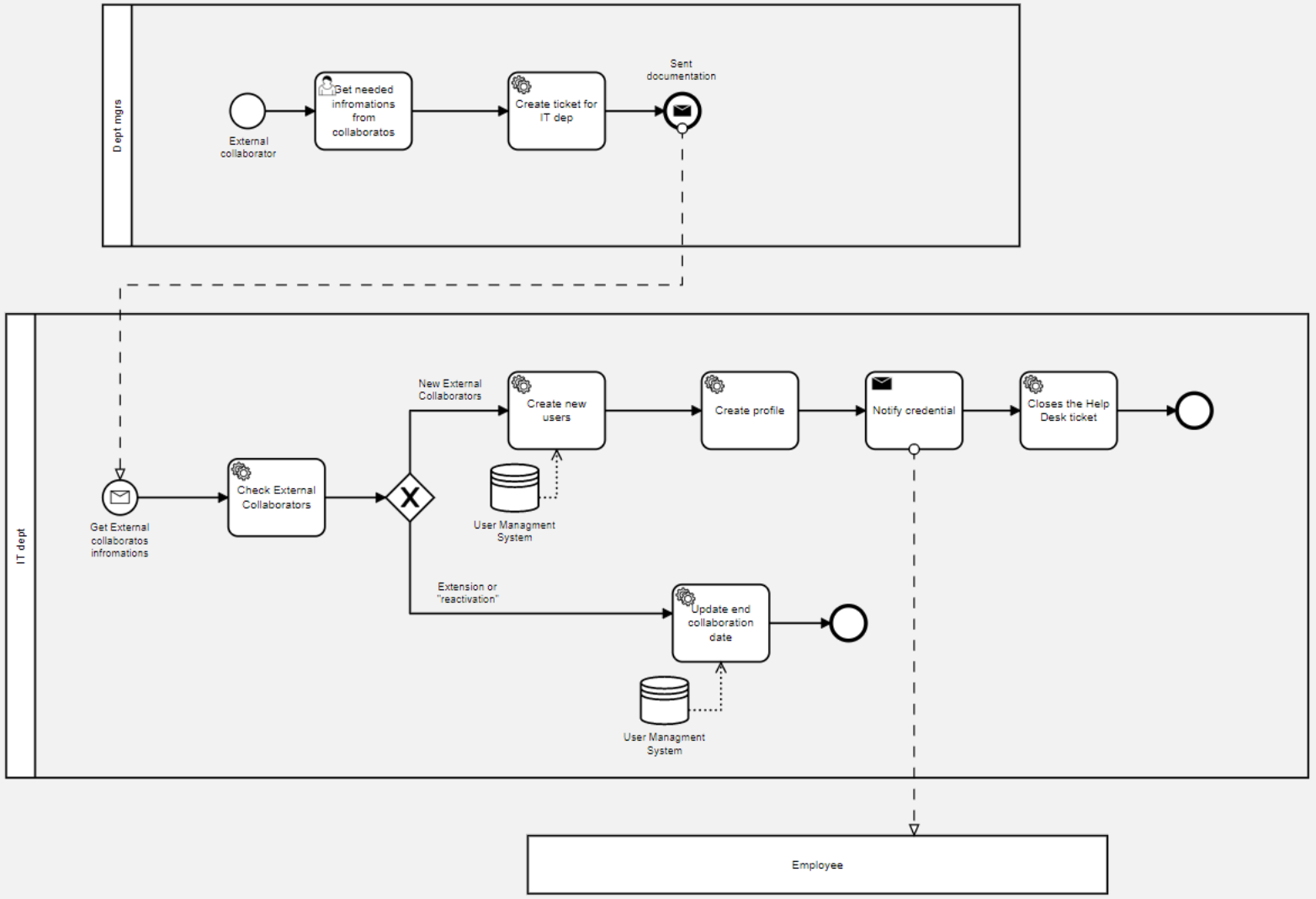
Employee transfert



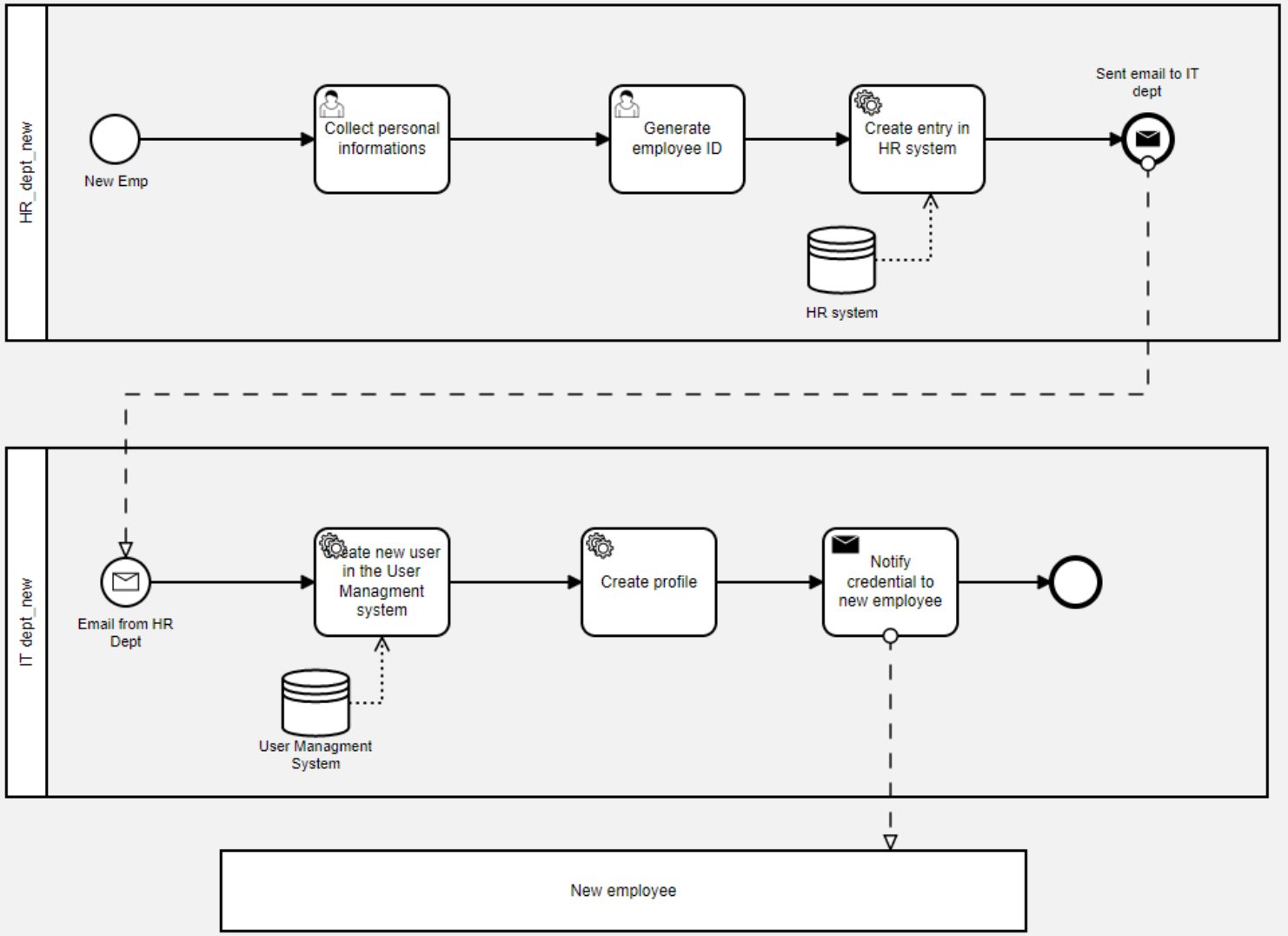
End employment



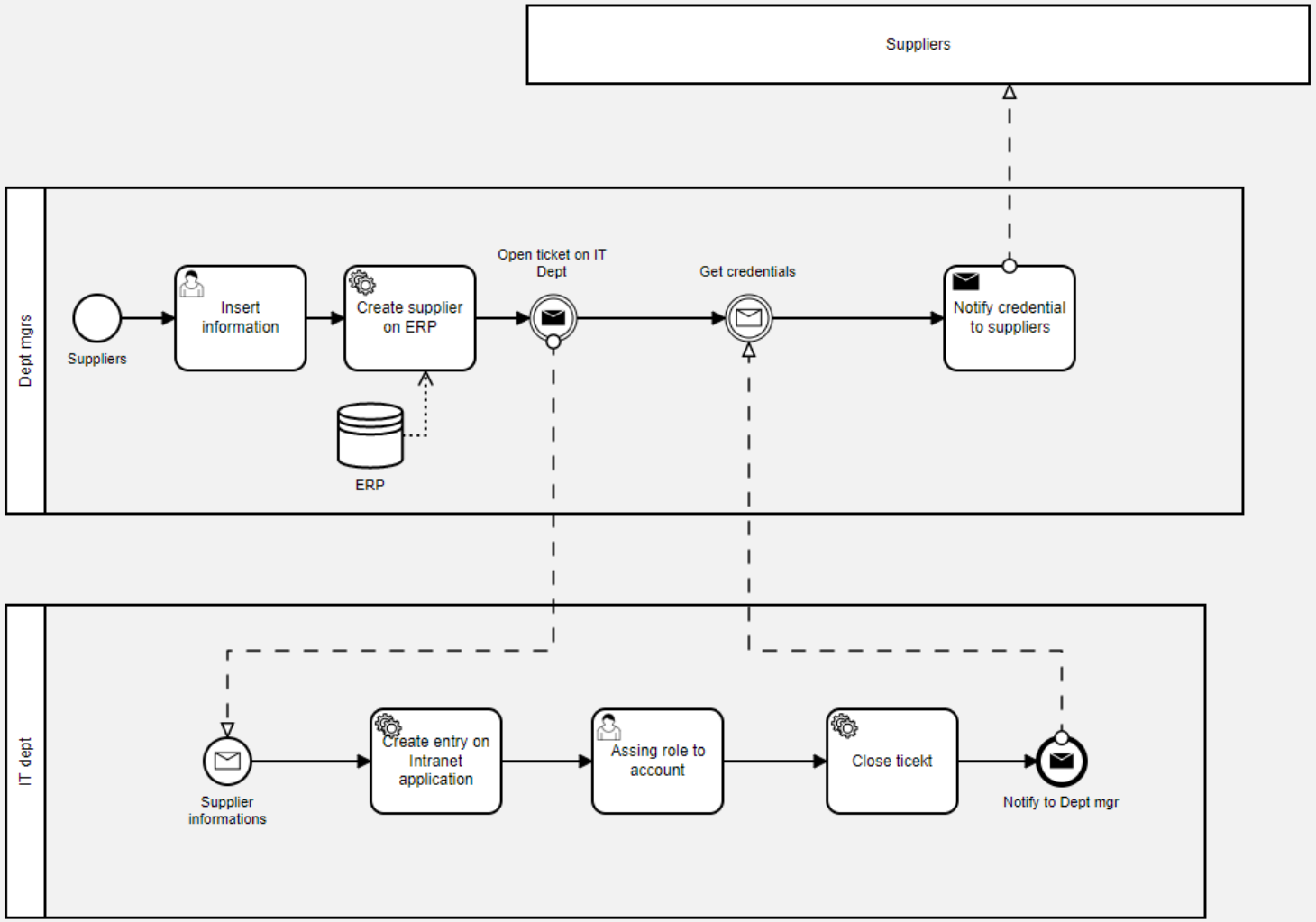
External collaborator



New employee



Suppliers


Suppliers
Dept mgrs
Suppliers
Insert information
Create supplier on ERP
ERP
Open ticket on IT Dept
Get credentials
Notify credential to suppliers
IT dept
Supplier informations
Create entry on Intranet application
Assing role to account
Close ticekt
Notify to Dept mgr

Conclusions and future developments

- Thanks to this project we had the opportunity to **make practice** of Camunda modelling into a **real case**, provided by **Loccioni Group**.

- We designed the model choosing appropriately the **different component** and **implementation strategy** depending by each of this.

- We have also provided some kinds of **optimizations** replacing some user's tasks with service task.

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THANKS FOR YOUR ATTENTION!