Assignment 3: Introduction to business information system

Draft Answer

a. What does the **business** do? Why? How core is **digital** technology to the business?  
Central to strategy? To operations? Both? Neither? Justify. (See Lecture 1-2)  
b. How does the business relate to the **tech sector** (i.e., Is it part of the tech sector? If so,  
which part? Or does it just use services from the tech sector?) (See Lecture 4)  
c. What **process** are you focusing on? How would you categorize the process? What part  
of the business does it relate to? (See Lecture 3)  
d. **Model** the process: Who are the main actors/roles involved? What are the  
tasks/decisions involved? How do they flow? (See Lecture 3) (swimlane)  
e. What **data** is the process reliant on (i.e., core entities and attributes) (See Lecture 7).  
f. What **technology** (networks/hardware/software/cloud) are required to enable the  
process? Create a simple architecture diagram (See Lecture 5, 6)   
g. Are external **service** technology providers used in the process (e.g., ERP, web  
services, outsourcing, offshoring)? Who are they? If not, should they be? Explain (See  
Lecture 4, 5,12)  
h. Based on your experience with the process, identify an **improvement** opportunity.  
Adjust your process model, annotating it, and explaining any new data and technology  
requirements (See Lecture 3, 5, 6). (swimlane)  
i. What **systems development method** would you suggest in order to implement the  
change? Why? (See Lecture 8)?  
j. What **value** and benefits would the updated process deliver? (See Lecture 9) What  
about **concerns**? Does your new approach open up any potential cybercrime, privacy,  
and security **concerns**? (See Lecture 11)

e, f, g(table) f, (architecture diagram)

Based on your experience with the process, identify an improvement opportunity.  
Adjust your process model, annotating it, and explaining any new data and technology  
requirements (See Lecture 3, 5, 6).

Graphical user interface, text, application

Description automatically generated

Printing process in library

Improvement opportunity:

* Starts doing something or stop doing something or doing something better
* Improvement:

+ Create a printing pass (beside top up ) for students who need a lot of printing

+ Just tap the student id, no need for entering the usename and passcode