SYD366 Money Test Summer 2021

Please read the case study and answer the questions below.

This test is a take-home assessment, that must be completed individually.

Test starts on Thursday June 17, 2021 at 9:00 AM  
Test is **due** Friday June 18, 2021 at 11:59 AM (**noon**).

***Work not properly referenced will be passed to the Academic Integrity Committee for review.***

**Submission notes:**

* Submission will be via Blackboard
* Submit one Word document with UML diagrams included as screenshots in the document. The pictures must be legible. Your professor will not grade any work that is not easy to read.
* Submit one Visual Paradigm file (.vpp) with all your UML diagrams included as well.
* Please note that submitted work, in any other format will not be graded and will received a grade of zero (0).

**Marks will be deducted for any of the following:**

* Files cannot be opened.
* Models and formatting do not follow course conventions.
* Missing screenshots, source files, or other required elements.
* Spelling or grammar errors, or unclear text content.
* PDF, ZIP, RAR, and other file formats will not be opened and will receive a mark of 0.

**Case Study**

Samuel runs a small Fabricdistribution company that supplies various fabrics to fashion companies.

Samuel employs a small team, including some office, sales, and warehouse staff. A few times a year, Samuel attends trade shows and visits manufacturers to learn about new products. Samuel uses an outside delivery service to deliver orders to his customers.

Your team has been hired to document Samuel’s requirements and recommend software for Samuel to purchase.

Your team has started looking at Samuel’s financial records and found that Samuel allows for different payment methods and would like to categorize his company’s income and expense transactions accordingly.

Your team leader has written the following scenarios to capture Samuel’s requirements.

|  |  |
| --- | --- |
| **Use Case Name** | **Record Income Transaction** |
| Triggering Event | Customer pays for work done |
| Brief Description | Allows the Owner to record an income transaction |
| Actors | Owner |
| Related Use Cases |  |
| Preconditions | Owner has opened the Main Menu. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Post Conditions | Income transaction is recorded | | | | |
| Flow of activities | Actor | | | | System |
|  | 1. | | Requests to record an income transaction | | Displays a list of payment methods and prompts for selection. Prompts for amount of transaction and transaction date (defaults to the system date) |
|  | 2. | | Selects a payment method, enters date and amount | | Displays the transaction and prompts for confirmation |
|  | 3 | | Chooses to confirm | | Saves the transaction. |
| Exception Conditions |  Owner chooses to cancel recording income transaction. | | | | |
|  |  | | | | |
| **Use Case Name** | **Query Expense transactions** | | | | |
| Triggering Event | Owner requires a list of expenses | | | | |
| Brief  Description | Allows the Owner to review expense transactions | | | | |
| Actors | Owner | | | | |
| Related Use Cases |  | | | | |
| Preconditions | Owner has opened the Main Menu. | | | | |
| Post Conditions | Expense transactions retrieved | | | | |
| Flow of activities | Actor | | | System | |
|  | 1. | Requests to query expense transactions | | Prompts for start and end date | |
|  | 2. | Enters a start and end date | | Retrieves expense transactions | |
|  |  |  | | that meet the date  requirements. Displays the list | |
| Exception Conditions |  | Owner chooses to cancel querying expense transactions. | | | |

**Question 1 (worth 10 marks)**

Complete a **Class diagram** to support what your team has learned so far about Samuel's Fabric distribution business*.*

**Question 2 (worth 20 marks)**

Complete **Object Level Sequence** diagrams to support the above scenarios.

**Question 3 (worth 3 marks)**

Samuel’s been approached to provide fabric for a client’s that is on Georgina Island Reserve. This client has tax exempt status as part of belonging to Indigenous people. What are tax implications? Does this affect your model? Please describe in English.

* **As an indigenous people, they have to pay the taxes on all. So, I think that its definitely affect our model. In our model we have the Income Transaction and Expense transaction, which have the amount value and its change the base on the client’s paying taxes, so I believe That it affects our model.**

**Question 4 (worth 3 marks)**

Should Samuel use his debit card or his credit card for purchases? Why? Please describe in English.

* **Here, Samuel cannot use his debit card or credit card because. Samuel’s team members record his financial transaction and according to his payment method, they are he categories his company’s income and expense transaction.**

**Question 5 (worth 3 marks)**

One of Samuel’s customer pays him in USD. What should Samuel do? How could you change your model to support this? Please describe in English.

* **If any customer pays in USD dollars, so Samuel can accept the that Payment. To support my model, I accept the amount in dollars (In my income transaction and expense transaction I entered the transaction amount in dollars). otherwise other part of the model have as it is.**

**Question 6 (worth 3 marks)**

How long are businesses required to keep records of financial transactions for taxation purposes? Why is it important to Samuel’s company? Please describe in English.

* **Well, here I believe that financial transactions in ay business it saves for long times. Because the need financial transactions in business is anytime. However, here specifically taxation purposes, I think that the record of the financial transaction save to minimum one year because at the of the year every companies(Samuel’s company also) return their tax files.**

**Question 7 (worth 3 marks)**

Samuel’s Fabricdistribution company is documenting the business’s requirements for a new system. We’ve looked at Agile and Waterfall (Predictive) Project Management methodologies. You are a team of 3 analysts and a Project Manager. If you were the Project Manager, what Project Management Methodology would you use for this project? And why? Please describe in English.

My team and I decided that we pick the agile Project Management methodologies. Because of its advancement we chosen Agile System. it’s brings quick changes just like jenny’s business and another most important benefits are that we continuously make the changes and test the project unlimited times. There are other many benefits. Such as it planning we bring many future advancement.