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Question 1:

Choose the most suitable Software Process Model (SPM) and **explain** why you made the choice (a single model or combination of models) by referring to the given details.

The most suitable Software Process Model is the Reuse-Oriented Software Engineering and Incremental Development.

- Reuse-Oriented Software Engineering and Incremental Development demanded requirements as what the OSA application required and requested from the customer.
- Incremental Development will make the system more flexible where it allows the user to make any changes before confirming any purchases.
- Rapid delivery and development are useful to the customers and one of the benefits of an incremental development system where the customers will have the chance to use any available vouchers or any redeemable virtual shop coins to get discounts either in shipping fees or purchased items.
- Repurchasing the same item from the same virtual shop in the OSA is considered as a reused component which is one of the system designs in Reuse-Oriented Software Engineering.
- It is easier to get customer feedback on the development work that has been done because the customers can comment or give a review on the purchased items after completing any purchase.

Question 2

2(a) Scaling up

- i) Scrum - Since scrum is an agile methodology that focuses on managing iterative development it can be used to point that a lot of risks could happen during the development. So to avoid the risks, the company can use scrum methodology second phase which is a series of sprint cycles, where the increment can be done in each phase.
- ii) Extreme Programming (XP) - XP has a technical focus that aims to produce higher quality products and deliver the final product to the customer as fast as possible. To overcome the risks, user stories for specifications can be used to describe a feature from the user perspective. Hence, the requirements that users need can be implemented precisely by the team.

b) Scaling out

- i) By using the scaling out which can be introduced across a large organization it suits the point that the stakeholders are involved not only in a large size that comes from different expertise.

2(b)

User Stories	To Do	Doing	Done
#1 As a user, I am able to search for new arrivals products so that I can be trendy.	Updating the products for the next month	Collecting new collections from products	Listing the new arrival products from the very latest to the oldest.
#2 As a user, I want to give feedback to sellers on the items that I have bought.	Updating the section so it can automatics detects the appropriate words	Modify the section for allowing sellers to choose the comments.	Design the draft on how the feedback section would look like.
#3 As a user, I want to use the voucher to get a discount for the next purchase.	Updating the latest validation code		

#4 As a user, I want to know where the closest store, so that I can go and try physically.	Updating a larger scale from the user's area to find more stores.		Publish the nearest stores with the operating hours and contact number.
#5 As a user, I want to be able to use multiple payment methods	Updating and including different payment method		