BINUS University

Academic Career:		Class Program:	
*Undergraduate / ~~Master~~ / ~~Doctoral~~ *)*		*~~International~~/Regular/~~Smart Program~~/~~Global Class~~*)*	
☐ Mid Exam	☑ Final Exam	Term : ~~Odd~~/Even/~~Short~~ *)	
☐ Short Term Exam	☐ Others Exam : _____		
☑ Kemanggisan ☑ Alam Sutera ☑ Bekasi		Academic Year :	
☐ Senayan ☐ Bandung ☐ Malang		2020 / 2021	

Faculty / Dept. : School of Computer Science	Deadline	Day / Date : Friday / Jul 23rd, 2021
		Time : 13:00
Code - Course : COMP6107 – Agile Software Development	Class	: All Classes
Lecturer : Team	Exam Type	: Online
*) *Strikethrough the unnecessary items*		
The penalty for CHEATING is DROP OUT!!!		

Learning Outcomes:

LO 1: Describe - The students able to describe the Agile principles in general, especially the using of Scrum Methodologies to develop the software systems for business applications

LO 2: Create - The students able to create a holistic activities planning in accordance to the software development based on the using Scrum methodologies

LO 3: Use - The students able to use the development tools in modeling through implementation phases within the software development processes using Scrum
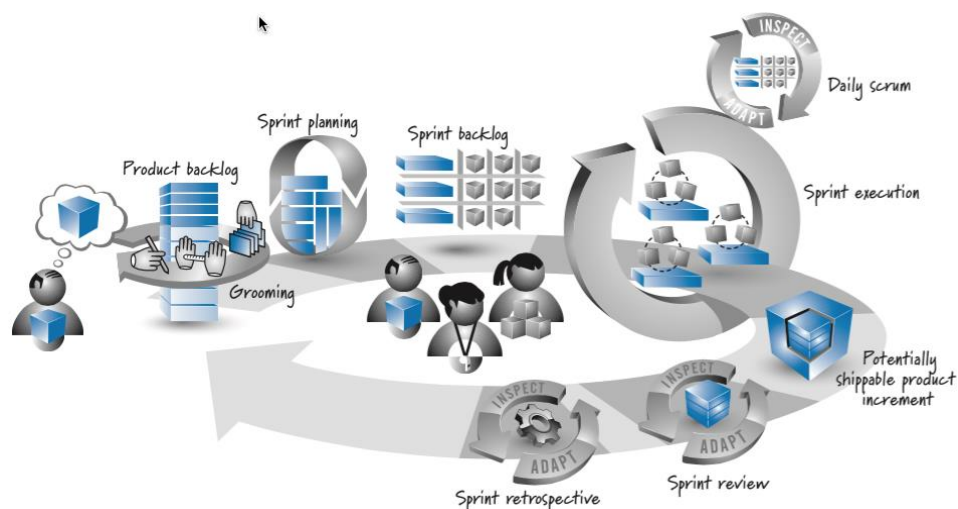
I. Essay (50 %)

Figure 1. Scrum Framework

Please see the Figure 1 (the scrum framework), and use your understanding about the figure above to answer the questions below!

Verified by,
[Kenny Jingga] (D6426) and sent to Program on Jun 23, 2021

1.   **[LO 1 & LO 2, 10 points]** What should scrum master consider in planning the project of software development?
2.   **[LO 2 & LO 3, 20 points]** What should scrum master do in sprint planning activity? Please explain it in detail!
3.   **[LO 2 & LO 3, 20 points]** What are the differences between sprint review and sprint retrospective? Please clearly explain them in detail and give several examples for doing so!

II. Case Study (50%)

In short, you (as a scrum master) got a project (with strict project charter) to develop a software application of hotel reservation (only for reservation business process). The hotel reservation application will enable customers to book the hotel room only by using smart phone or website. This application is likely similar to the hotel.com or traveloka.com (sub-application for reservation only).

You may refer to some reservation sub-applications/systems as your benchmark, such as hotel.com or traveloka.com application. Moreover, you are also allowed to use any assumptions to enrich your understanding and interpretation about this case (such as types of feature/back-log item, development team members, product owner, stakeholders, and so on).

The case questions are:
1.   **[LO 2 & LO 3, 20 points]** Please take one feature (item) assumption from the product backlog and make one sprint backlog from it by breaking down the feature(item) into a more detail set of tasks!
2.   **[LO 2 & LO 3, 15 points]** Please make a list of people who you are going to invite in sprint review! And give a number of reasons why you think that you need to invite them!
3.   **[LO 2 & LO 3, 15 points]** What should you do in sprint retrospective if several delay-problems of sprint execution occurred!

-- Good Luck --