FACULTY OF
**COMPUTER SCIENCE**

UNIVERSITAS INDONESIA
*Veritas, Probitas, Iustitia*

# GROUP ASSIGNMENT 3
# FUNCTIONAL MODELING – USE CASE DESCRIPTION
**(4-5 students)**

## I. Goal:

The series of group assignments (GA2-GA6) aim to exercise your skill in **analyzing and designing a real information system**. You will be part of a team which consists of 4 to 5 people. Each group will be assigned a mini case. Each case concerns possible information systems project (as part of Electronics Commerce Information Systems) to be developed in Anapedia.com. In this part, the objectives of Group Assignment 3 are:

a. Student is able to create functional modeling (as part of system proposal deliverable) of a case study of information systems projects.

## II. Submission and Deadline:
a. Please write **complete identity information (class, name, NPM)**
b. Deadline
   **Softcopy     : Sunday, 25 October 2020, 23.55 on SCeLe**
c. Format softcopy:
   **[GA3]-[Class]-[Group Name]**
   **Example: GA3-A-Group 1**
d. Late submission of coursework is **only accepted in the next day**, but penalty will be applied, result in **20% deduction of the total score.**
e. Indication of **plagiarism** will result in **zero mark.**
f. Write the references (if any)
g. Each member of group must **submit peer review form** (BORANG GROUP) via SCELE (**no later than one day after deadline**, see dropbox for deadline).
h. **Presentation will be held in 7th Week** (see further announcement about this).

## III. Instructions
a. Please refer to section **Case Study Assignment** below to get the case study assignment for your group.
b. Read the **file Project Description of E-Commerce IS for Anapedia.com** to understand the **organization profile and business objectives of the project and relate them with the business requirements.**
c. **Read the description** of the **(ONLY) assigned** case study for your group in the **file Project Description of E-Commerce IS for Anapedia.com**. The case study presents the result of **first interview** to the stakeholders (operational and managerial staffs), that describes **rough identification towards business process of the organization and requirements of the systems.**

d. In this part, you are asked to continue your analysis in Functional Model by creating:
   i. **Use Case Description**
   ii. **Activity Diagram (for Use Case Description)**
e. You do not need to create descriptions for all use cases. Create use case descriptions **only for 5 specified use cases.** List of use cases that must be created for Use Case Description can be seen in **Section V.**
f. Please continue the guidelines of **system proposal deliverable** by adding the UC Description and Activity Diagram Section after Use Case Diagram Section.
g. You are allowed to search supporting data or information on the internet. Please write your assumption for your proposed solution (if any) and provide the references (if any).

IV. **Topics of E-Commerce IS for Anapedia.com**

- Topic 1: *Product Management System*      **PIC: Clarisa**
- Topic 2: *Merchant & Partnership System*      **PIC: Falahdina**
- Topic 3: *Transactions System*      **PIC: Saffanah**
- Topic 4: *Marketing & Service System*      **PIC: Nur Rifandy**
- Topic 5: *Human Resources System*      **PIC: Adiva**
- Topic 6: *Warehouse & Expedition System*      **PIC: M. Andriansyah**

V. **Use Case for Use Case Description per Topic**

| Topic | Use Case |
|---|---|
| Topic 1: *Product Management System* | 1. Mengelola *cluster* produk<br>2. Mengelola iklan<br>3. Mengelola *test case*<br>4. Mengelola persetujuan *product bundling*<br>5. Mengevaluasi *dashboard* performa produk |
| Topic 2: *Merchant & Partnership System* | 1. Registrasi toko *merchant*<br>2. Mengelola produk<br>3. Mengelola toko *partner*<br>4. Menindaklanjuti komplain<br>5. Mengevaluasi laporan performa *merchant &* toko *partner* |
| Topic 3: *Transactions System* | 1. Mengelola keranjang belanja<br>2. Membeli produk<br>3. Mengelola Anapedia *Wallet*<br>4. Mengajukan pembatalan transaksi (dari sisi penjual)<br>5. Mengevaluasi performa transaksi |
| Topic 4: *Marketing & Service System* | 1. Melakukan riset pasar<br>2. Mengelola *event-based promotion*<br>3. Mengelola komplain<br>4. Mengajukan retur barang (dari sisi *customer*) |

| | |
|---|---|
| | 5. Mengevaluasi performa promosi |
| Topic 5: *Human Resources System* | 1. Mengelola KPI<br>2. Mengelola *master data* pegawai<br>3. Mengelola *training*<br>4. Melakukan *payroll*<br>5. Mengevaluasi performa karyawan |
| Topic 6: *Warehouse & Expedition System* | 1. Mengelola *picking ticket*<br>2. Mengelola penugasan kurir AnapedEx<br>3. Memverifikasi *replenishment order*<br>4. Mengelola penanganan retur<br>5. Mengevaluasi laporan utilisasi pengiriman *in-house vs outsource* |

## VI. Case Study Assignment per Group

| Anaperancis A | |
|---|---|
| Group 1 | Topic 1 |
| Group 2 | Topic 2 |
| Group 3 | Topic 3 |
| Group 4 | Topic 4 |
| Group 5 | Topic 5 |
| Group 6 | Topic 6 |
| Group 7 | Topic 1 |
| Group 8 | Topic 2 |
| Group 9 | Topic 3 |
| Group 10 | Topic 4 |
| Group 11 | Topic 5 |
| Group 12 | Topic 6 |
| Group 13 | Topic 6 |

| Anaperancis B | |
|---|---|
| Group 1 | Topic 1 |
| Group 2 | Topic 2 |
| Group 3 | Topic 3 |
| Group 4 | Topic 4 |
| Group 5 | Topic 5 |
| Group 6 | Topic 6 |
| Group 7 | Topic 1 |
| Group 8 | Topic 2 |
| Group 9 | Topic 3 |
| Group 10 | Topic 4 |
| Group 11 | Topic 5 |
| Group 12 | Topic 6 |
| Group 13 | Topic 3 |
| | |

## VII. Marking Component

| Content | Percentage |
|---|---|
| **Use Case Description (70%)** | |
| a. Overview information | 30% |
| b. Normal flow dan sub flow (if any) | 40% |
| c. Alternate flow | 30% |
| **Activity Diagram (30%)** | |
| a. Syntax | 30% |
| b. Activity flow (conformity with UC Description) | 60% |
| c. Aesthetics | 10% |