SOFTWARE ANALYSIS AND DESIGN

ADLC2 CA INSTRUCTIONS

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Module Assessments

- ## Continuous Assessment

  - Group Assignment

Continuous Assessment

- ## Refer to the POD document

  - Your project team is tasked to propose a solution to facilitate digital transformation of the workflow

- ## Task

  - Model the requirements of the new workflow with a use case diagram

  - Develop an analysis and design model

Deliverables (1)

<u>Requirements Description</u>

- Use case diagram

  - Includes actors, use cases

- For each use case provides a brief description on the purpose of the use case.

  - (Optional) Use case flow of events ✗

Deliverables (2)

- ## Analysis Model

  - ### Sequence diagrams

    - One or more diagrams for each use case

  - ### Class diagrams

    - Per use case or

    - Per stereotypes

- ## Design Model

  - Modelling interactions with database are **<u>not</u>** required

  - 1 or more <u>statechart diagram</u>, if applicable

Deliverables (3)

- Additional design techniques:

  - Explore the use of polymorphism, abstract class, interface

  - Produce an updated class diagram if needed

- Data Model (Database design)

  - Logical Data Model (i.e. updated ERD)

  - Data Dictionary (of final tables)

- Explore opportunity to use decision table or tree to document an operation identified in any class

  - Optional deliverable: decision table or tree

Deliverable Format

- 1 submission per group

- PDF of a word document

Submission – Canvas

- In Canvas

  1) **ADLC2 - CA Submission** folder

  2) Indicate your <u>team number</u> and the <u>members' names</u>

Timeline

- ## Uploading of deliverables

    - 26th Apr (Wed), by 9pm

- ## Peer Evaluation

    - The scores will factor in the peer evaluation