

**FACULTY OF COMPUTING**  
**UNIVERSITI TEKNOLOGI MALAYSIA**  
**SEM II – 2023/2024**  
**ASSIGNMENT 3 – SYSTEM ANALYSIS AND DESIGN WBL (SECP2613)**

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SECTION:	01

**INSTRUCTIONS:** Read all questions carefully and answer all questions on this paper.

Currently, University ABC is implementing a manual course registration process. The university offers a variety of undergraduate courses across different departments and faculties.

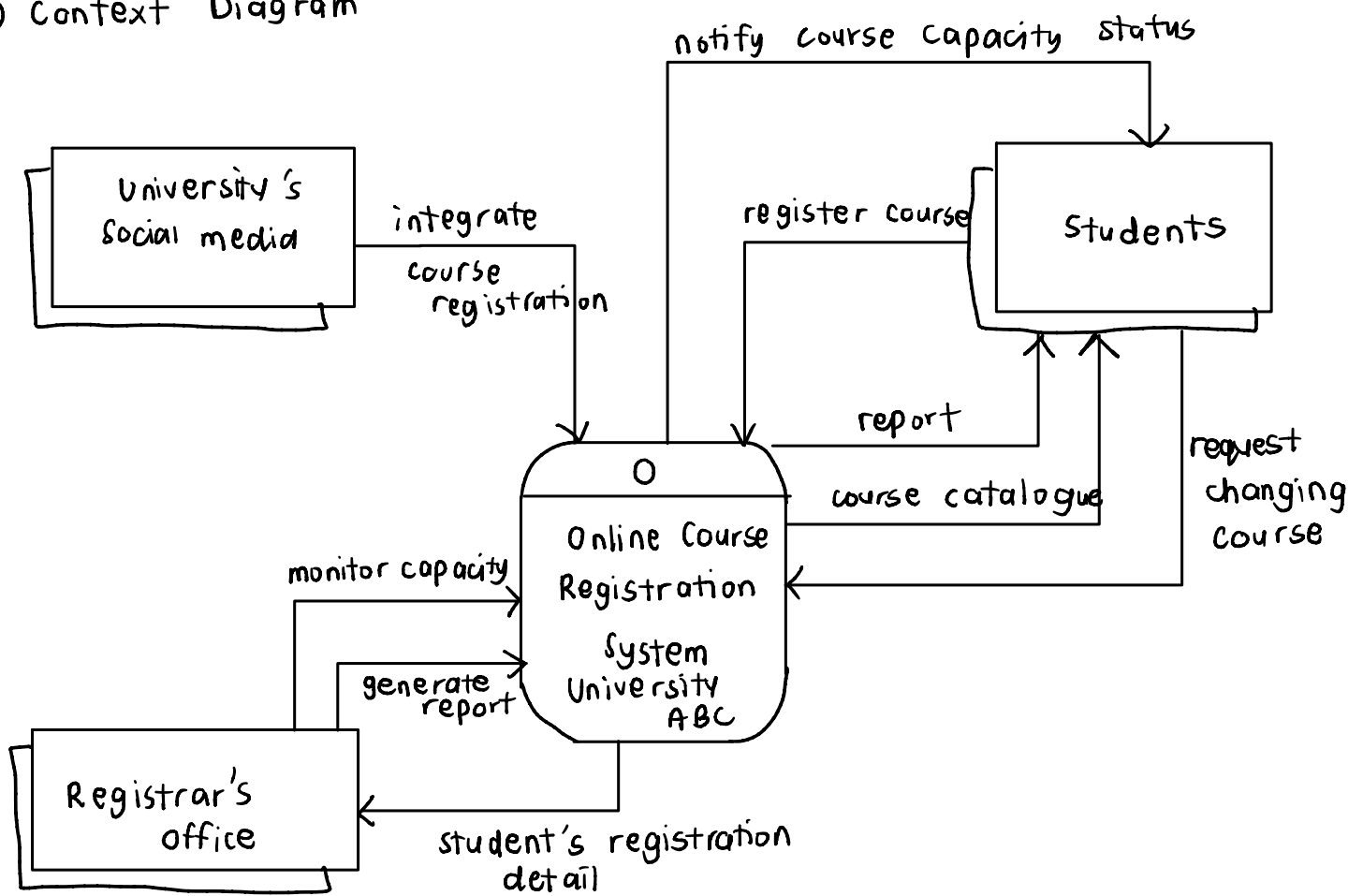
You are hired to develop a new online course registration system for University ABC. Consider the following flow of how the manual course registration process is executed.

- The university updates and distributes the course catalogue and registration form via email and social media.
- Students fill out and submit the registration forms manually, providing their personal information (name, student ID, contact details) and selecting their desired courses from the course catalogue.
- The registrar's office monitors course capacities and updates the availability status regularly. If a course reaches maximum capacity, it is marked as closed, and students are notified accordingly.
- Students are allowed to request changes to their course registrations within a specified timeframe after the initial registration period.
- The registrar's office could generate the course registration reports such as student registration report, course schedule report, etc.

Based on the flow given above, answer the following questions:

- Draw a context diagram for the proposed online course registration system.
- Create a Level-0 Data Flow Diagram (DFD) for the proposed system (detailing the major processes, data stores, and data flows).

## 9) Context Diagram



b) Level 0 DFD

