

2nd assignment

– Software Engineering

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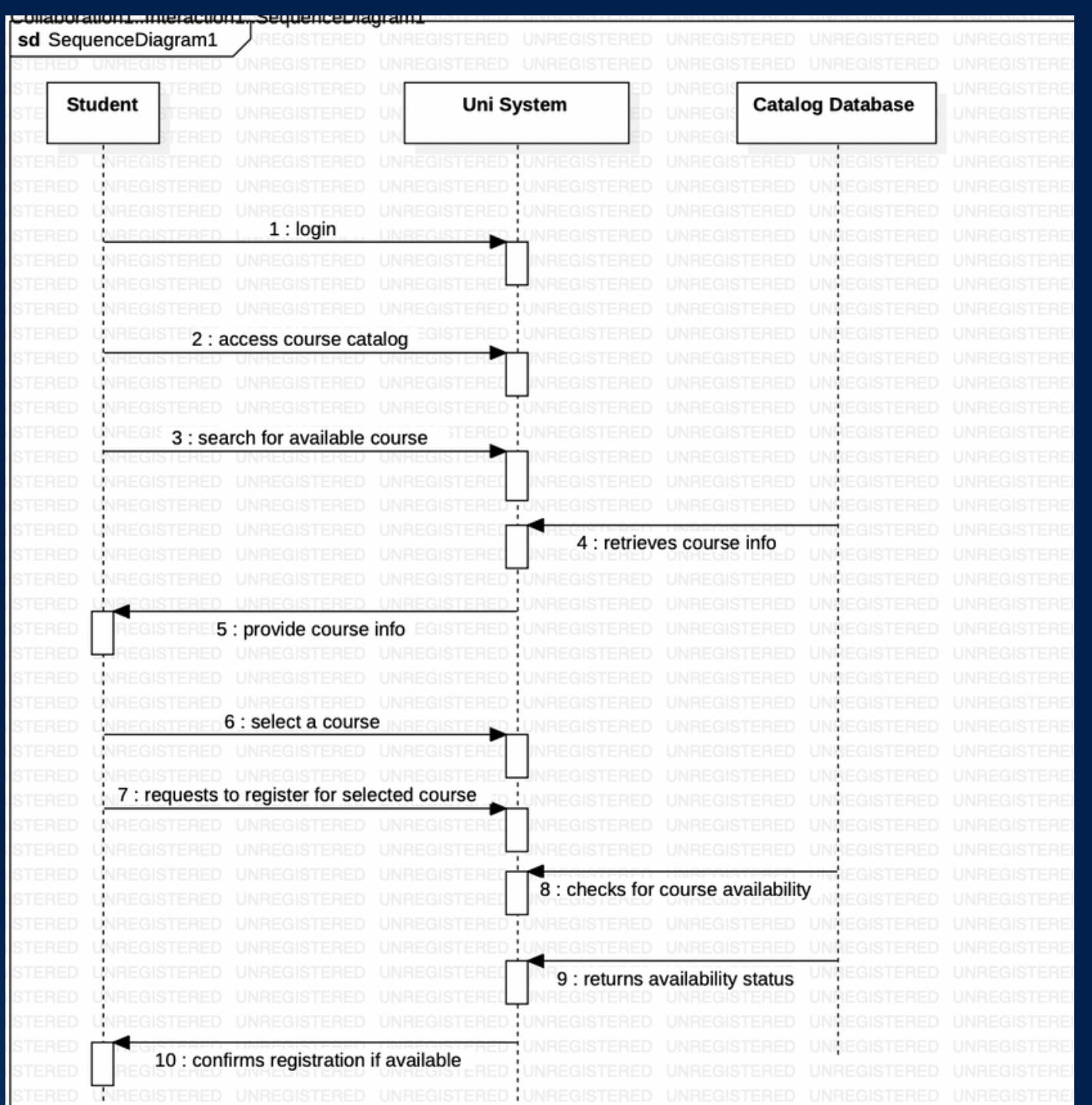
– Kakhgarmanova Aruzhan

– KBTU 2023

Task 1

CHAPTER 5. EXERCISE 5.5

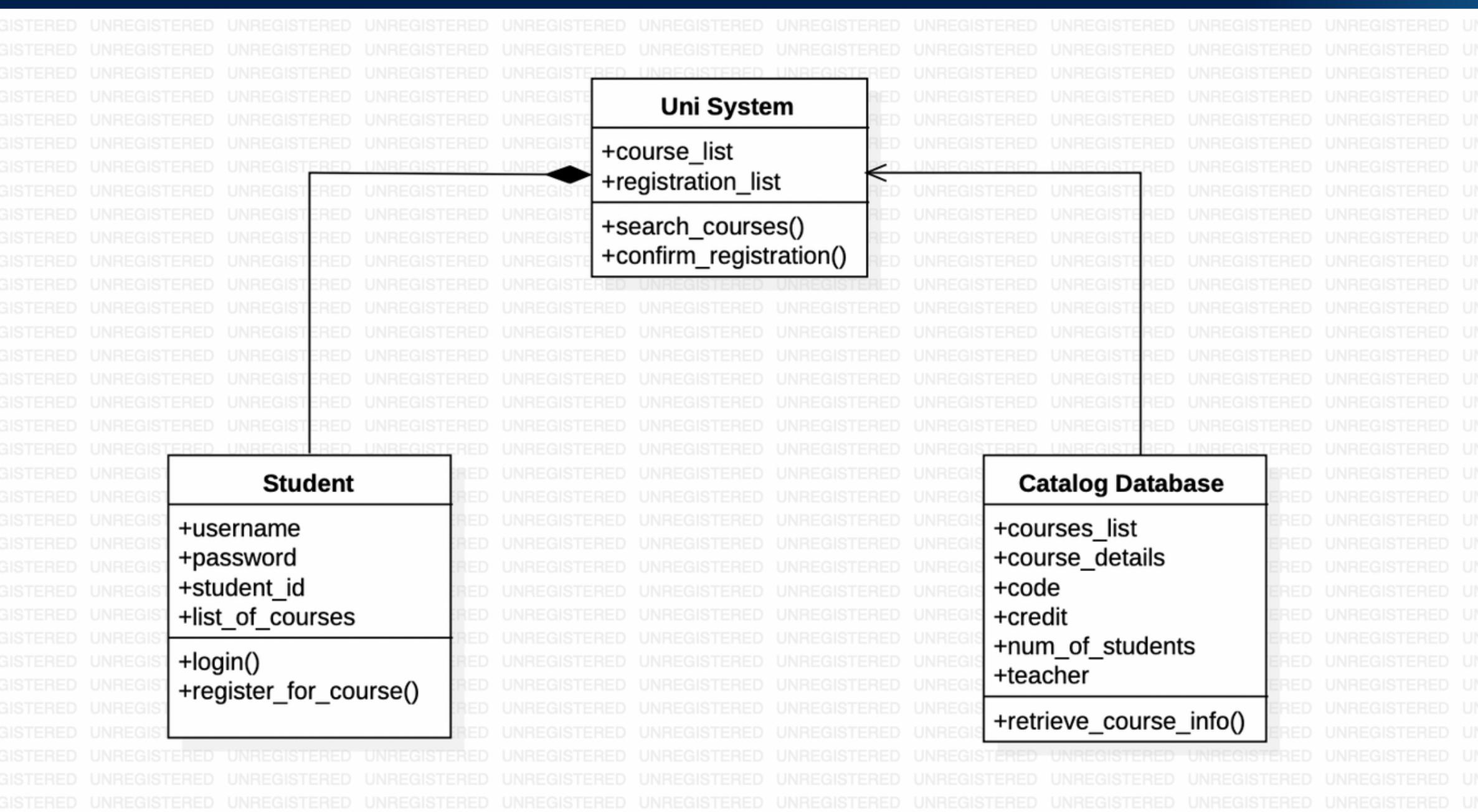
DEVELOP A SEQUENCE DIAGRAM SHOWING THE INTERACTIONS INVOLVED WHEN A STUDENT REGISTERS FOR A COURSE IN A UNIVERSITY. COURSES MAY HAVE LIMITED ENROLLMENT, SO THE REGISTRATION PROCESS MUST INCLUDE CHECKS THAT PLACES ARE AVAILABLE. ASSUME THAT THE STUDENT ACCESSES AN ELECTRONIC CATALOG TO FIND OUT ABOUT AVAILABLE COURSES.



Task 2

Chapter 5. Exercise 5.8

- Draw a sequence [class] diagram for the same system. Explain why you might want to develop both activity and sequence diagrams when modeling the behavior of a system



EXPLAIN WHY YOU MIGHT WANT TO DEVELOP BOTH ACTIVITY AND SEQUENCE DIAGRAMS WHEN MODELING THE BEHAVIOR OF A SYSTEM

Sequence diagrams provide a detailed, step-by-step representation of how components or components interact in a specific use case

Both diagrams allow us to capture both high-level processes and detailed interactions providing a more comprehensive understanding of the system's functionality

Activity diagrams provide insight into both business processes and system logic.

Using both diagrams improves communication and helps streamline development and design processes.

The background features abstract, translucent geometric shapes with a rainbow-like iridescent effect. A large, multi-colored torus (donut shape) is positioned on the left side. On the right side, there are several overlapping planes forming a triangular prism-like structure.

Thank you for attention!