

ONLINE COURSE RESERVATION SYSTEM

correctness of the diagrams depends on the problem statement she gives so copy mindfully!

Termwork 1:

Functional Requirements:

User Registration: The system should allow users to create a new account and store their personal information such as name, email address, and password.

Course Selection: The system should provide a list of available courses with details such as course title, description, duration, fees, and available dates.

Reservation: The system should allow users to reserve a course by selecting a date and time, specifying the number of attendees, and confirming the reservation.

Payment Integration: The system should integrate with payment gateways to enable users to pay course fees online.

Confirmation and Notifications: The system should provide users with a confirmation of course reservation and send email or SMS notifications regarding course details and updates.

Course Management: The system should allow course administrators to manage course details, such as updating course schedules, adding or removing courses, and managing reservations.

Non-Functional Requirements:

Security: The system should provide secure registration and payment processes to prevent fraud and protect users' personal information.

Usability: The system should be easy to use and navigate, even for non-technical users, with clear instructions and guidance.

Performance: The system should be able to handle a large number of users and course reservations without any performance issues.

Availability: The system should be available 24/7 to allow users to reserve courses at any time.

Reliability: The system should be reliable and accurate, with no errors or system crashes during the reservation process.

Accessibility: The system should be accessible to users with disabilities, including those who use assistive technologies such as screen readers.

Ambiguities:

->Ambiguous language in the course description or reservation instructions could lead to confusion among users.

->Ambiguity in the definition of course fees or payment methods could cause confusion or errors during the payment process.

Inconsistencies:

->Inconsistencies in the course details, such as conflicting course schedules or fees, could cause confusion among users and result in incorrect course reservations.

->Inconsistencies in the user registration process, such as requiring different information for different courses, could cause confusion and errors during the reservation process.

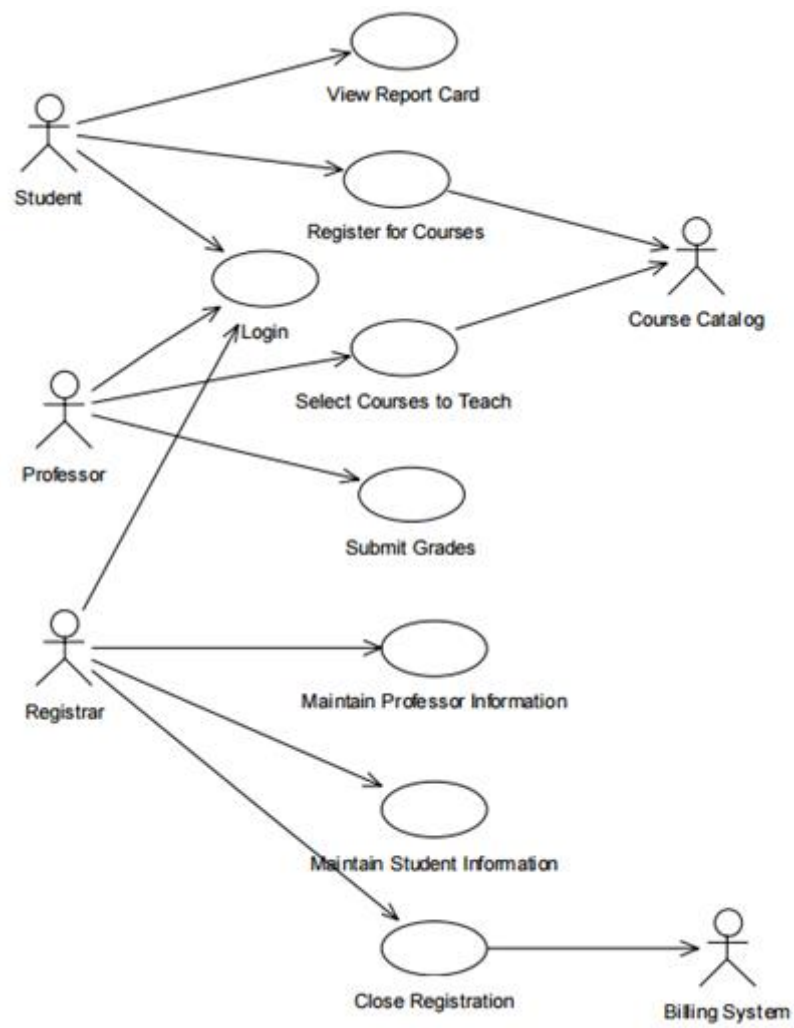
Incompleteness:

->Incomplete course details, such as missing information about the course duration or prerequisites, could lead to confusion and errors during the reservation process.

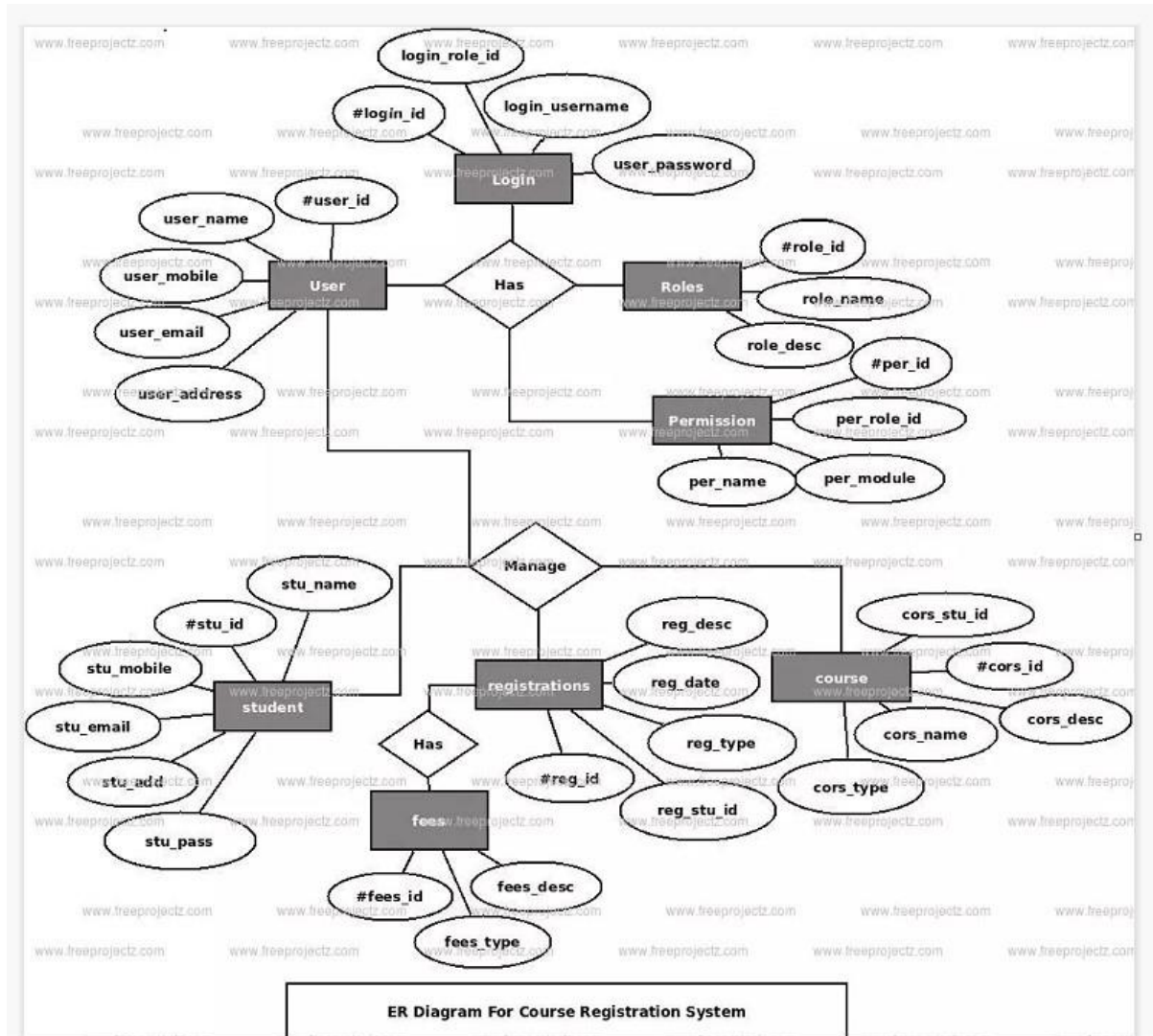
->Incomplete user registration instructions, such as unclear guidelines for creating a new account or resetting passwords, could cause frustration and errors during the reservation process.

->Incomplete payment instructions or system errors during the payment process could cause users to be unable to pay for courses or result in incorrect payment amounts.

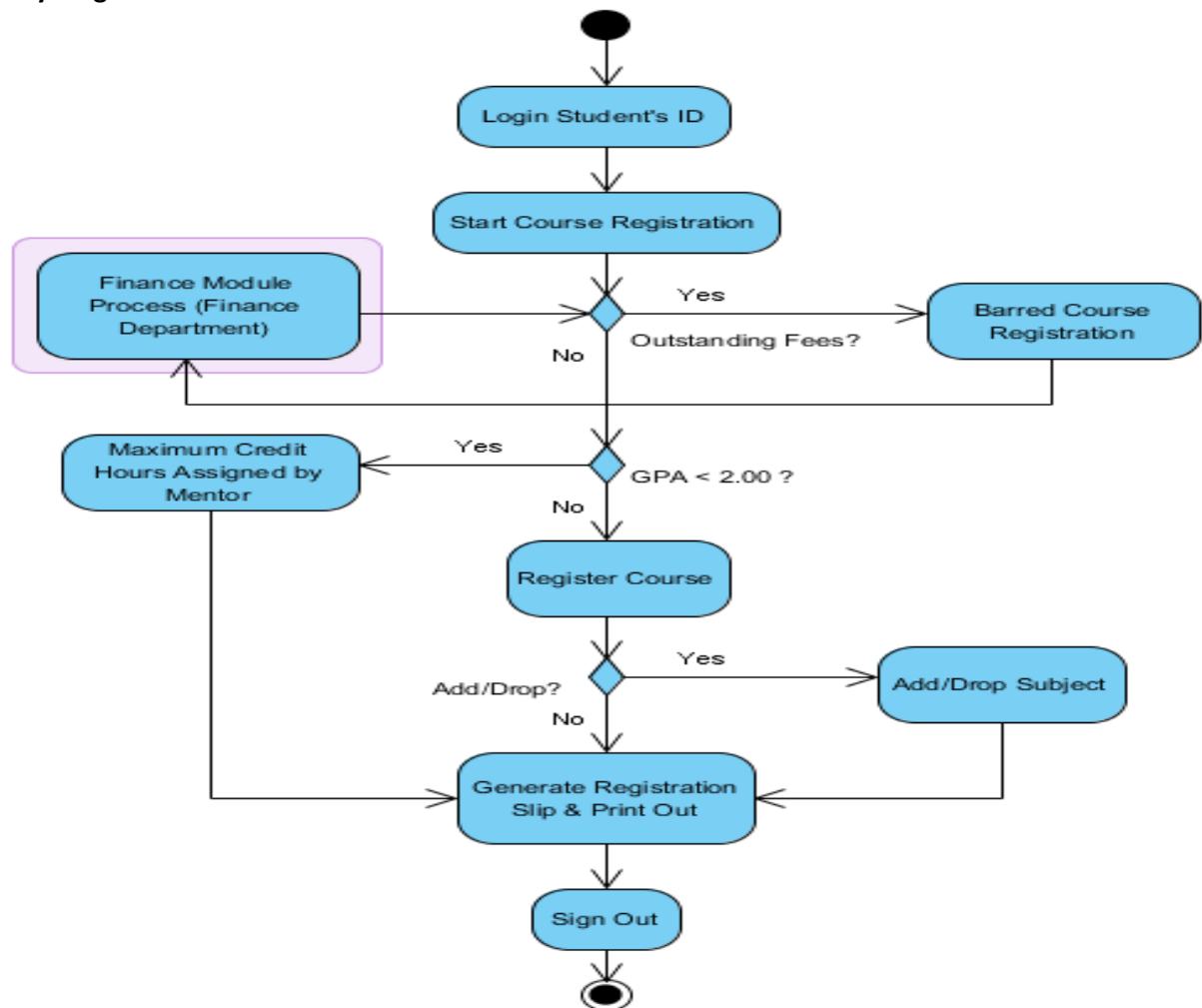
Termwork 2:



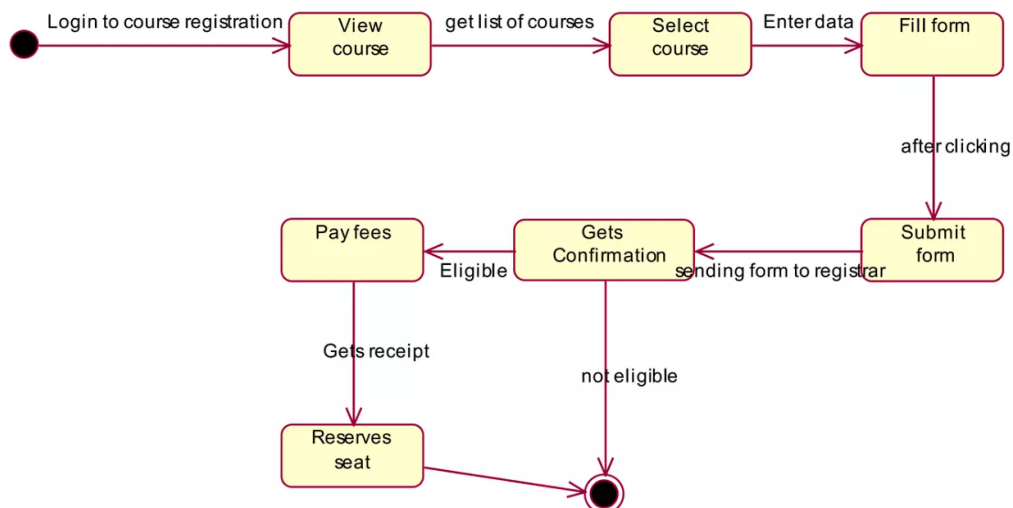
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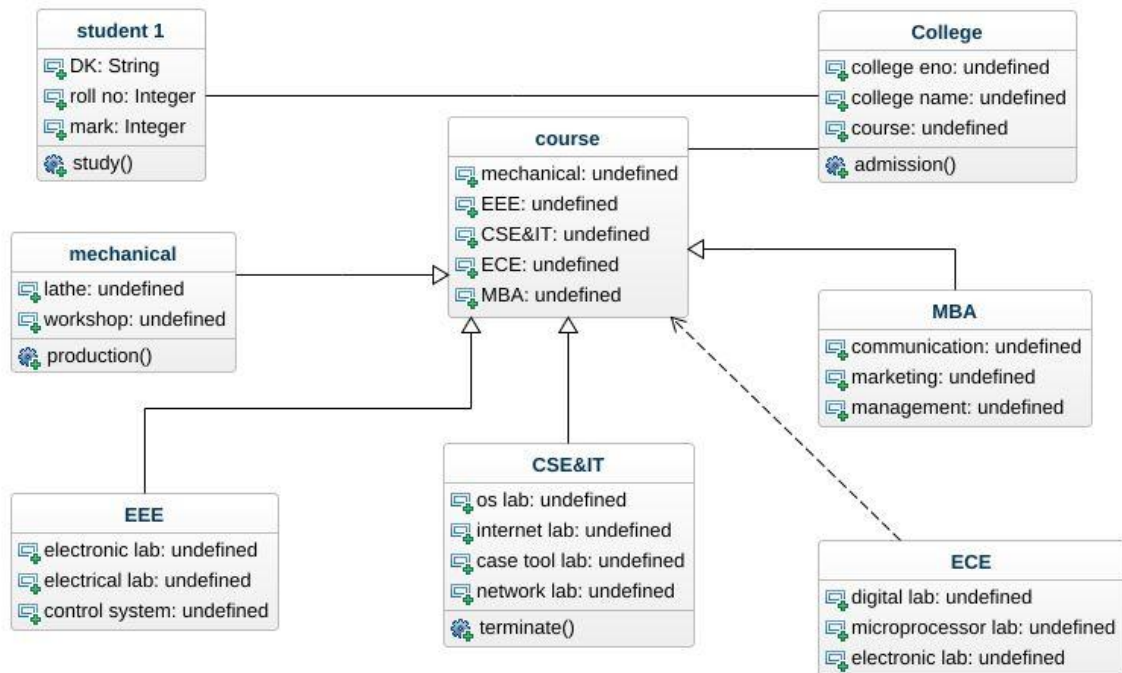
Termwork 5:
activity diagram:



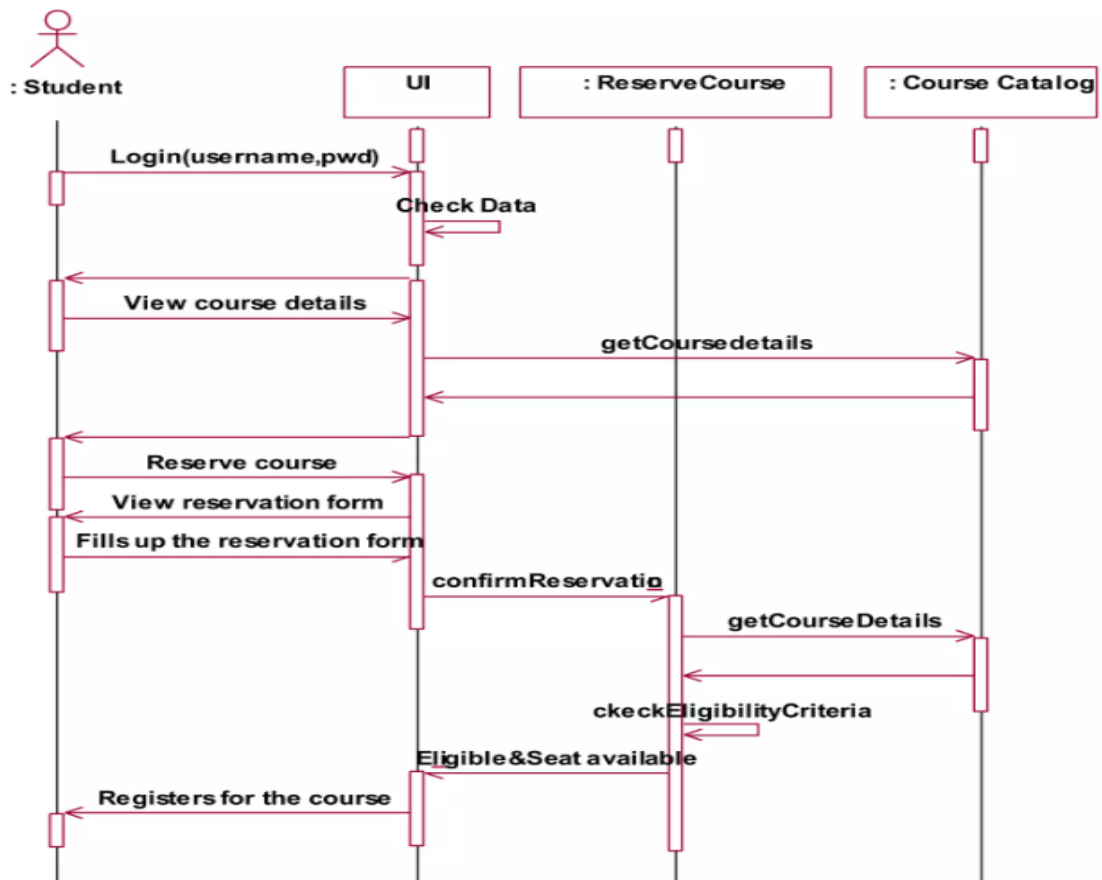
state diagram:



Termwork 6: class diagram:



sequence diagram:



Termwork 7:

