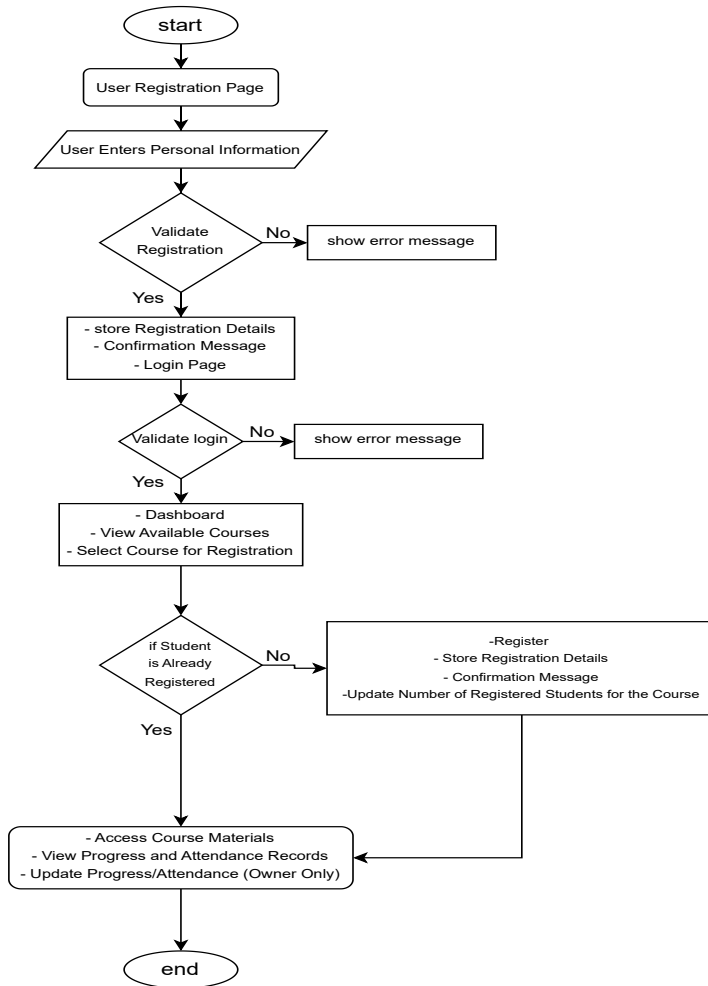


Task 2: BrainStorm

-Software Requirements:

1. User Registration:
 - Allow new students to register on the platform by providing their personal information.
 - Validate the registration details to ensure accuracy and prevent duplicate registrations.
 - Generate a unique student ID for each registered student.
2. Course Management:
 - Provide a list of available courses with their schedule, tutor, and duration.
 - Allow students to view the course details before registration.
 - Display the number of students currently registered for each course.
 - Allow the owner to add, update, or remove courses from the platform.
3. Student Dashboard:
 - Provide a personalized dashboard for each student and the owner.
 - Students should be able to access their course materials, such as videos and lessons.
 - Display the student's progress and attendance records for each course.
 - Allow students to track their own progress and view their completed assignments.
 - Enable the owner to monitor and update the student's progress and attendance.
4. Course Registration:
 - Allow students to register for a course of their choice.
 - Check if the student is already registered for a course and prevent multiple registrations.
 - Update the number of registered students for each course when a new registration is made.
5. User Authentication and Security:
 - Implement a secure login system to authenticate students and the owner.
 - Encrypt sensitive information, such as passwords, to ensure data security.
 - Implement role-based access control to restrict certain functionalities to the owner only.

-Flowchart:



- UML Diagram :

