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**Use Case: Enroll in a Course**

**Project: Online Learning Platform**

**Bussiness Rules**

1. **Facts**

* There are multiple courses6 with details such as name, description, tuition fee, and instructor responsible.
* Course Availability: Courses are available for enrollment based on their status (available, unavailable).
* A user who is registered and has an account on the platform.

1. **Constraints**

* User must login and verify their email by OTP to login successful.
* User role constraint: Only user with student role can enrol a course.
* Prerequisite constraint: Student must have completed payment check from Instructor’s course to complete enroll a course.

1. **Action enablers**

* Students must be logged in and authenticated to access the course enrollment functionality.
* Students can search for available courses based on categories, keywords, or instructor names.
* After selecting a course, the student must pay for that course.
* The system sends notifications to the instructor regarding the student's enrollment request.

1. **Inferences**

* Instructor will payment check from student to confirm the payment.
* The system determines if a course has available based on the course’s status.

1. **Computations**

- The system calculates the total number of courses a student is enrolled in, to ensure they are not exceeding a limit.

- The system can generate reports on the number of enrolled students and total tuition fees collected.