

Fig 1.1 : USE CASE DIAGRAM

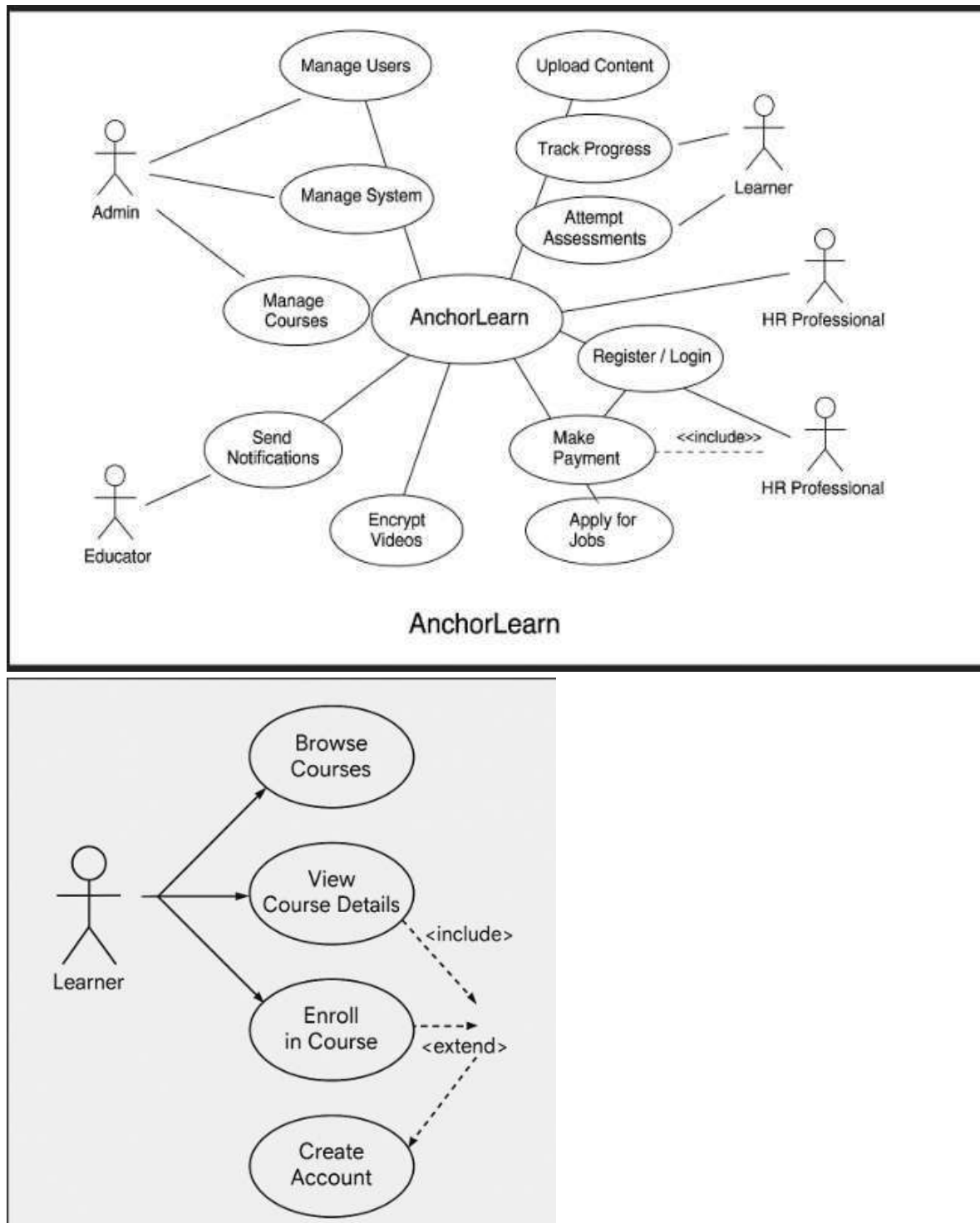


Fig 1.2 : SYSTEM SEQUENCE DIAGRAM

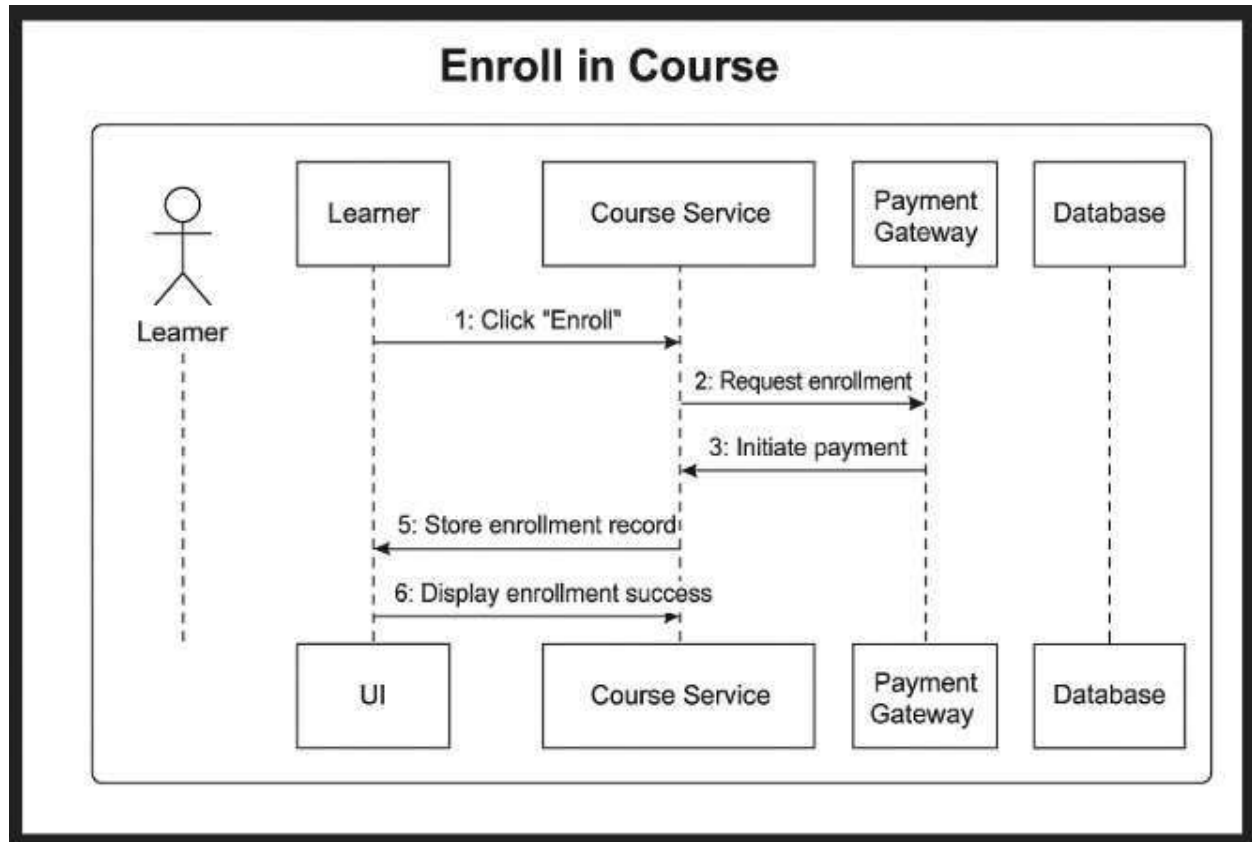


Fig 1.3 : COMMUNICATION DIAGRAM (USING GRASP)

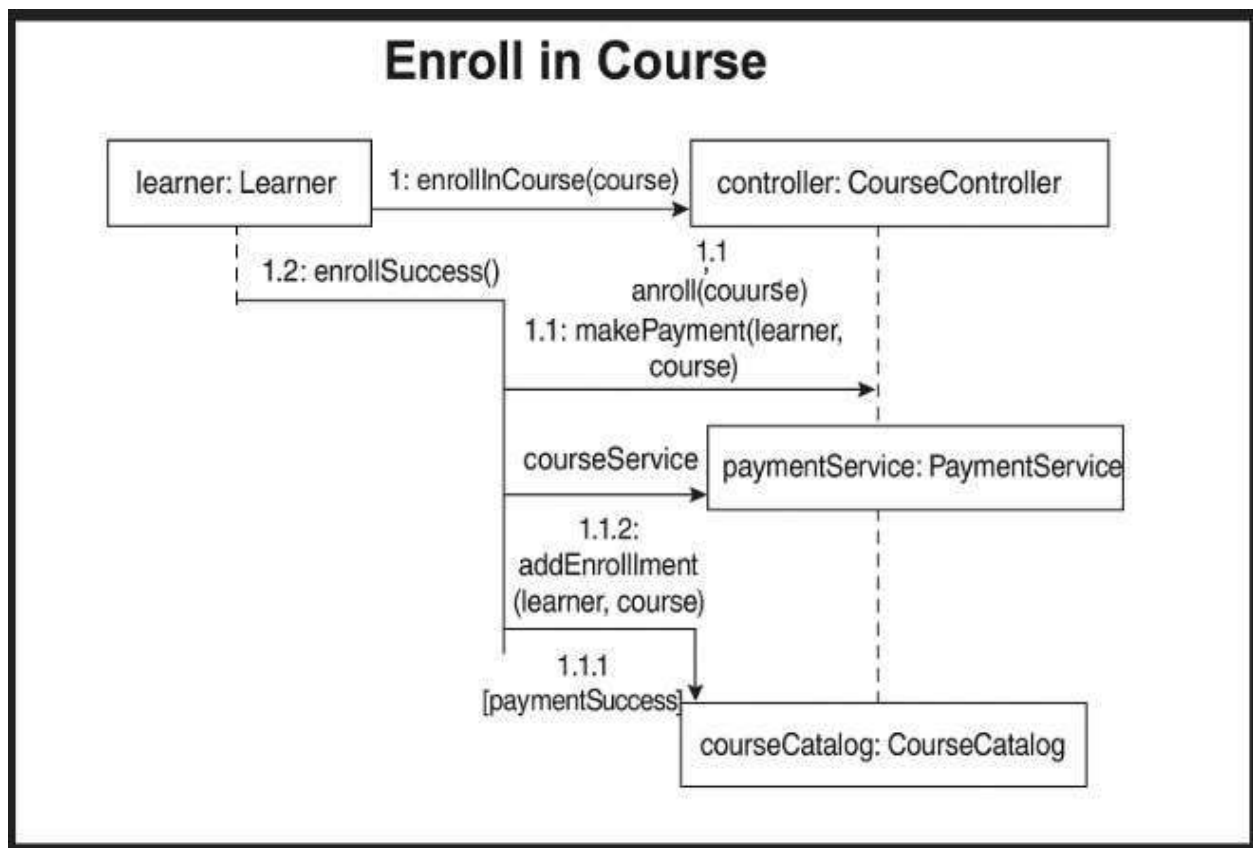


Fig 1.4 : CLASS DIAGRAM

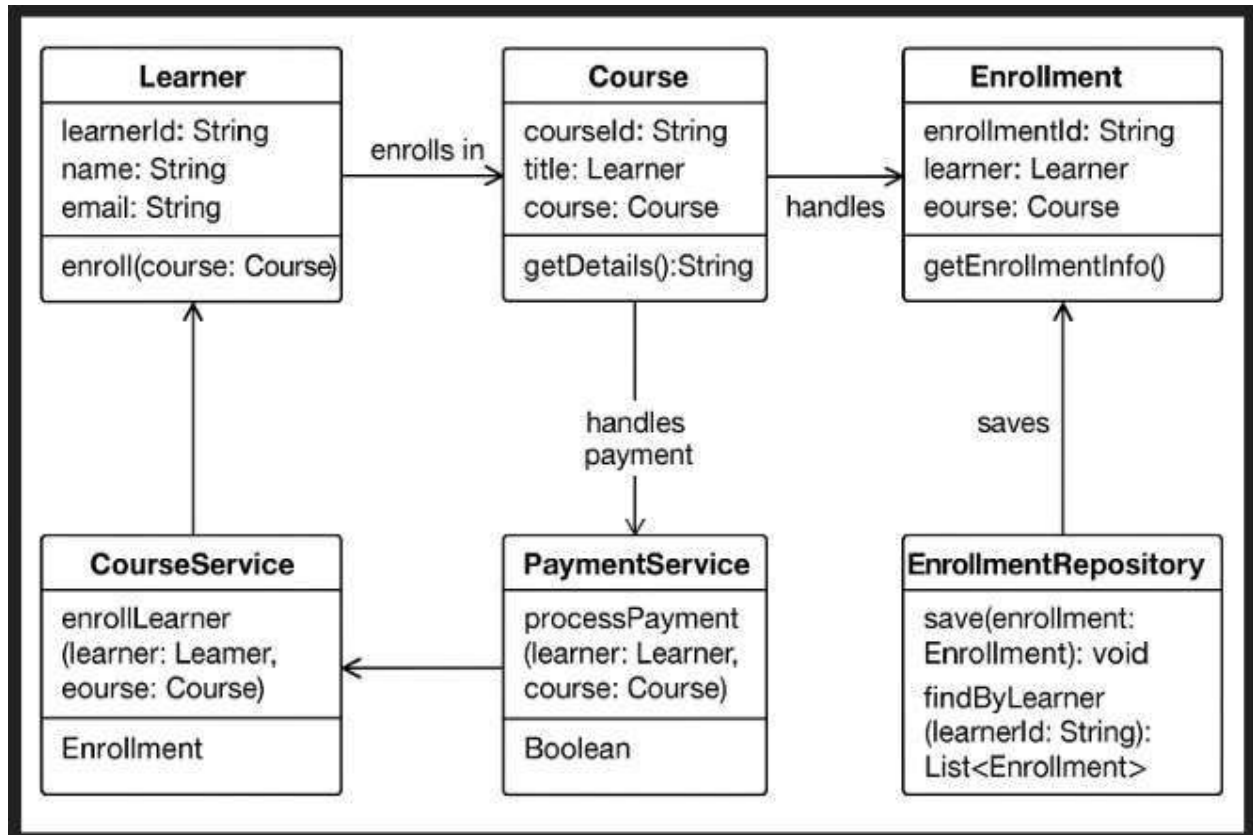


Fig 1.5: Fully Dressed USE-CASE DIAGRAM

<b>Use Case Name</b>	Enroll in Course
<b>Date Created</b>	May 15, 2025
<b>Primary Actor</b>	Learner
<b>Stakeholders and Interests</b>	<p>Educator, Admin</p> <ul style="list-style-type: none"> <li>• Learner must learn new skills and earn certification: Enroll students enrolled in their course.</li> <li>• Admin wants to ensure course quality and valid transactions.</li> </ul>
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>• Learner must be logged in.</li> <li>• Course must be published and approved by admin.</li> </ul>
<b>Postconditions</b>	<ul style="list-style-type: none"> <li>• Learner is enrolled in the course.</li> <li>• Payment (if required) is completed.</li> <li>• Course progress tracking is initialized.</li> </ul>
<b>Success Guarantee</b>	Learner successfully joins a course and sees it in their dashboard.
<b>Minimal Guarantee</b>	Learner remains logged in; no enrollment happens if payment fails or course is full
<b>Trigger</b>	Learner selects a course from the catalog
<b>Main Success Scenario</b>	<ol style="list-style-type: none"> <li>1 Learner logs into the platform.</li> <li>2 Learner navigates to course catalog</li> </ol>

Fig 1.6: MOCKUP

