Welcome to this CoGrammar QnA :

Software Design

The session will start shortly...

Questions? Drop them in the chat.
We'll have dedicated moderators answering questions.

Software Engineering Session Housekeeping

- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly. **(Fundamental British Values: Mutual Respect and Tolerance)**
- No question is daft or silly - **ask them!**
- There are **Q&A sessions** throughout this session, should you wish to ask any follow-up questions.
- If you have any questions outside of this lecture, or that are not answered during this lecture, please do submit these for upcoming Academic Sessions. You can submit these questions here: **Questions**

Software Engineering Session Housekeeping cont.

- For all **non-academic questions**, please submit a query: **www.hyperiondev.com/support**
- Report a **safeguarding** incident: **www.hyperiondev.com/safeguardreporting**
- We would love your **feedback** on lectures: **Feedback on Lectures**
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:

Ian Wyles
Designated Safeguarding Lead

Simone Botes

Nurhaan Snyman

Rafiq Manan

Ronald Munodawafa

Tevin Pitts

Scan to report a safeguarding concern

or email the Designated Safeguarding Lead:
Ian Wyles
safeguarding@hyperiondev.com

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Software Design

Agenda:
Online Course Enrollment System

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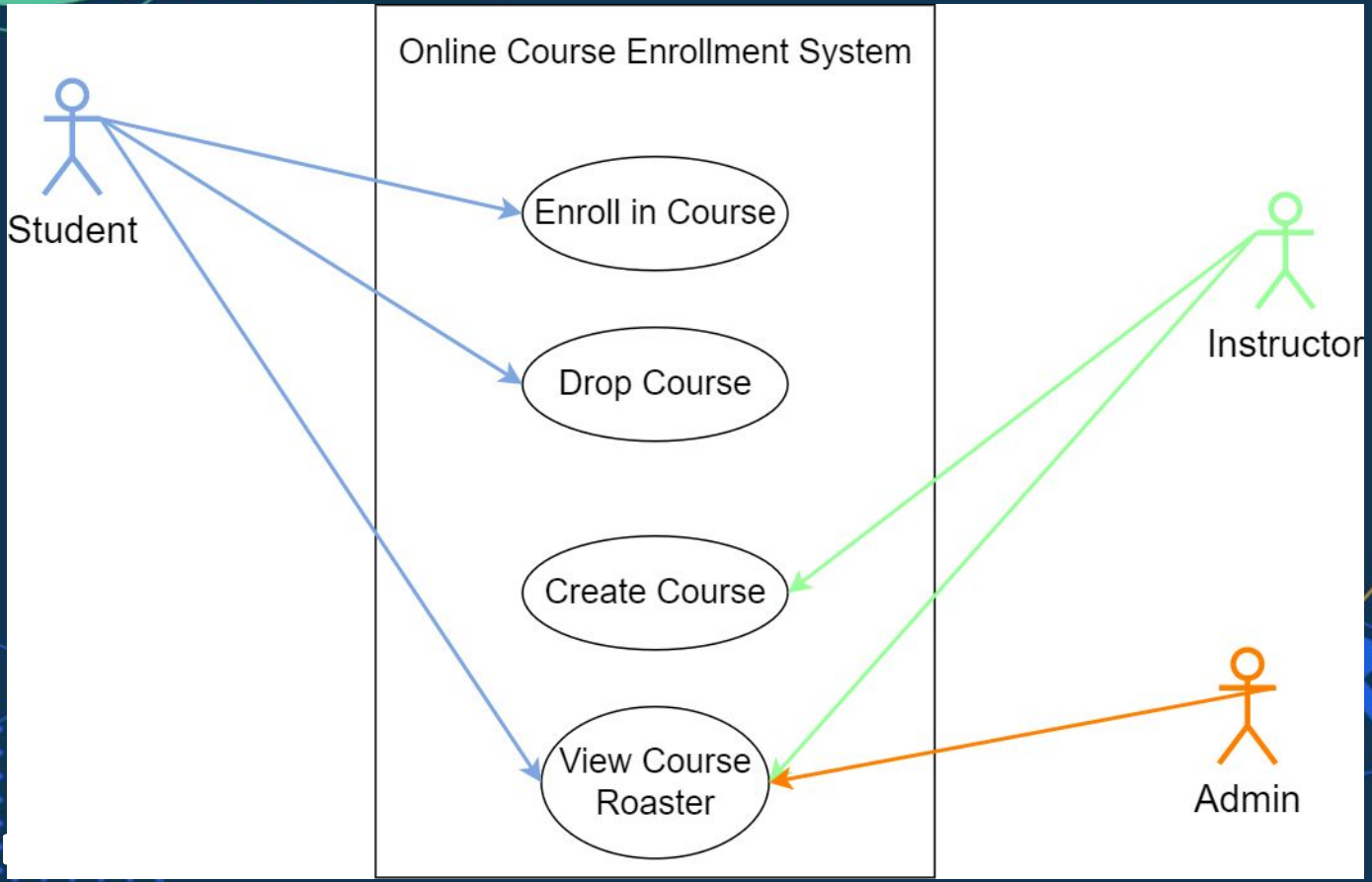
Online Course Enrollment System

1. Introduction
2. Class Diagram Design
3. Use Case Diagram Development
4. Sequence Diagram Construction
5. MVC Pattern Application
6. Live Code Walkthrough and Discussion

Break: 10 Minutes

Notes: Your questions take precedence

Online Course Enrollment System: Use Case Diagram



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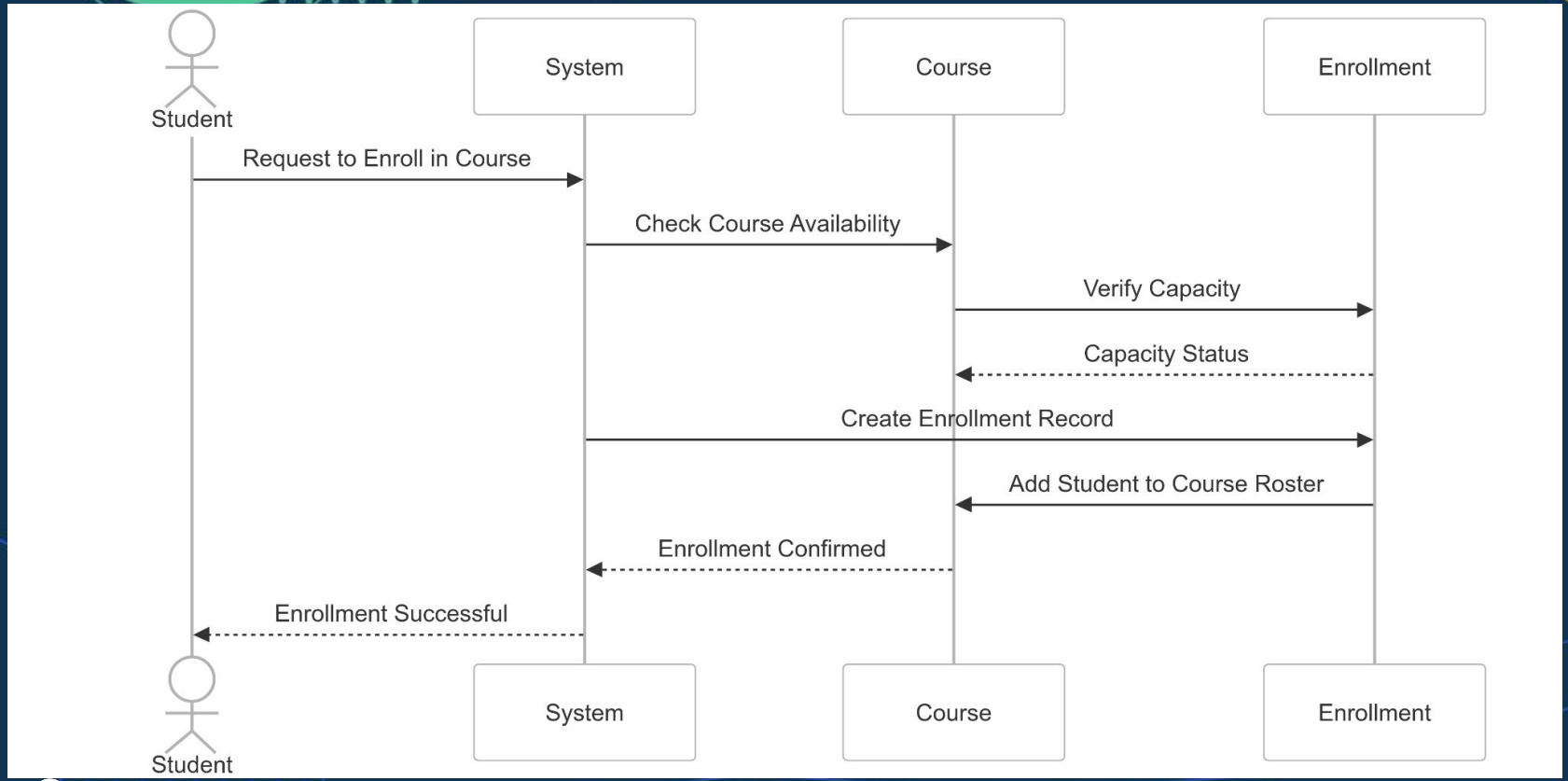
Online Course Enrollment System: Sequence Diagram



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Online Course Enrollment System: CRUD Matrix: Enrollment

Entity	Actor	Create	Read	Update	Delete
Enrollment	Student	Enroll in a course	View enrolled courses	Update enrollment details	Drop a course
Enrollment	Instructor	-	View course roster	-	-
Enrollment	Admin	-	View all enrollments	Modify enrollment records	Remove enrollment records

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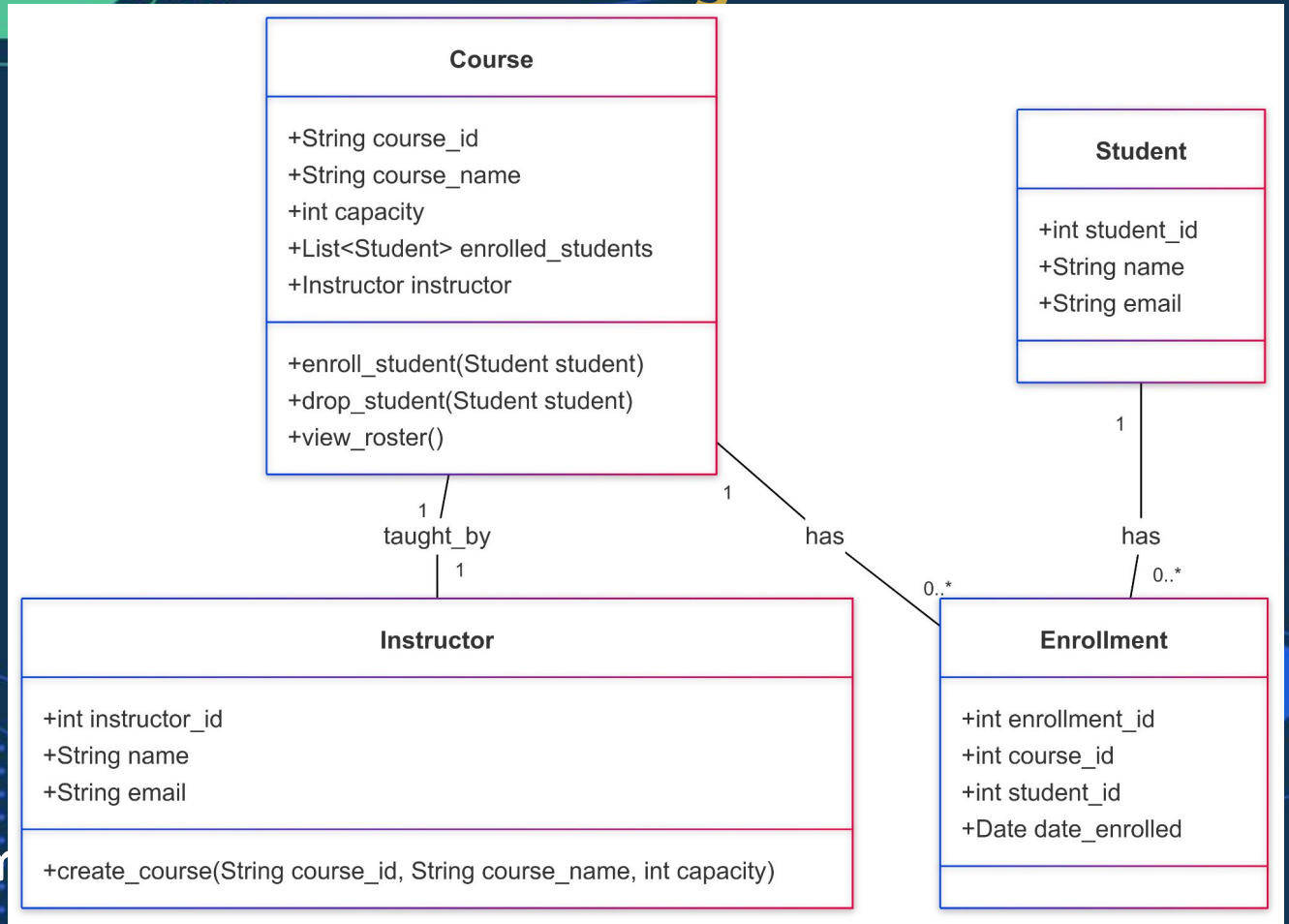
Online Course Enrollment System: Class Diagram



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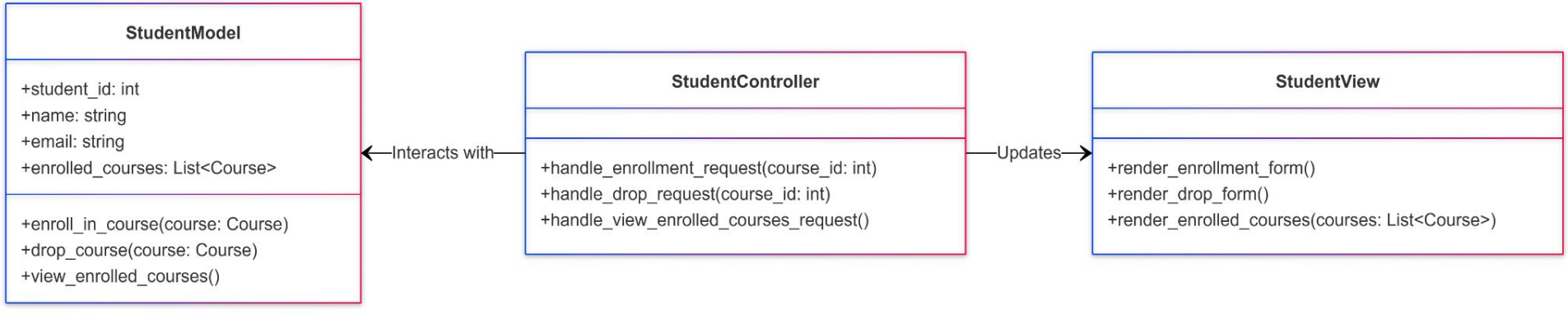
Online Course Enrollment System: MVC: Enrollment



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Questions and Answers

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Thank you for attending

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