✅ 1. CRC Cards (Updated for CR/CA Roles)

Class	Responsibilities	Collaborators
User	- Login/logout/reset password- Manage profile	Auth System
Student	- Search, view, download past questions	PastQuestion
CourseRep	- Upload/edit past questions for assigned courses	PastQuestion, Course
CourseAdvisor	- Approve/reject uploads- Delete questions- Supervise uploads in department	CourseRep, PastQuestion
PastQuestion	- Store file + metadata (year, semester, course, etc.)- Preview/download	Student, CourseRep, CA
Course	- Store course details (code, department)	PastQuestion
Admin	- Manage users and system-wide content	All roles

✅ 2. UML Class Diagram (Finalized Structure)

```
        +---------------+
        |     User      |
        +---------------+
        | - userId      |
        | - name        |
        | - email       |
        | - passwordHash |
        | - role        |
        +---------------+
        | +login()      |
        | +logout()     |
        +---------------+
                ▲
    +----------------+-------------------+
    |               |                  |
+------------+  +---------------+  +-----------------+
| Student    |  | CourseRep     |  | CourseAdvisor   |
+------------+  +---------------+  +-----------------+
| +search()  |  | +upload()     |  | +approveUpload() |
| +download() |  | +editQuestion()|  | +deleteQuestion()|
| +preview() |  |               |  |                 |


        +---------------------+
        |   PastQuestion      |
        +---------------------+
        | - questionId        |
        | - title             |
        | - year              |
        | - semester          |
        | - courseCode        |
        | - filePath          |
        | - uploaderId        |
        | - status            |
        +---------------------+
        | +upload()           |
        | +download()         |
        | +preview()          |
        +---------------------+


        +---------------------+
        |      Course         |
        +---------------------+
```

```
| - courseCode      |
| - department      |
+----------------------+
```

🔗 Relationships:

- `CourseRep` and `CourseAdvisor` are subclasses of `User`

- `PastQuestion` is associated with `Course`, and uploaded by `CourseRep`

- `Student` downloads from `PastQuestion`

- `CA` approves/deletes `PastQuestion`