**Assignment #7**

**Full name: Arjun Thapa**

**Student-ID: M22W0385**

Put the list of all CRC cards.

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| **Class Name:** Student | **ID:** 1 | | **Type:** |
| **Description:** An individual who need to receive the knowledge in the college. | | | **Associated use cases:** |
| **Responsibilities**  Authenticate user credentials.  Enroll in courses.  View course materials.  Submit assignments.  View grades.  Update personal information. | | **Collaborators**  Course  Assignment  Grade  Personal Information  Instructor | |
| **Attributes:**  Username  Password  Email  Name  Student ID | | | |

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| **Class Name:** Course | **ID:** 2 | | **Type:** |
| **Description:** The object which is used to give the knowledge to the student. | | | **Associated use cases:** |
| **Responsibilities**  Create a new course.  Add course materials.  Assignments.  Enroll students.  Track enrolled students.  Provide course information. | | **Collaborators**  Student  Assignment  Grade  Course Material  Instructor | |
| **Attributes:**  Course ID  Course Title  Instructor  Course Materials (list)  Enrolled Students (list) | | | |

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| **Class Name: A**ssignment | **ID:** 3 | | **Type:** |
| **Description:** The work which is done or complete by the student. | | | **Associated use cases:** |
| **Responsibilities**  Create a new assignment.  Set assignment details (title, due date, etc.).  Assign assignment to a course.  Accept assignment submissions.  Evaluate assignment submissions.  Provide assignment feedback. | | **Collaborators**  Student  Course  Submission | |
| **Attributes:**  Assignment ID  Assignment Title  Course ID  Due Date  Submission Status | | | |

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| **Class Name:** Grade | **ID:** 4 | | **Type:** |
| **Description:** The mark which is given by the teacher to the student. | | | **Associated use cases:** |
| **Responsibilities**  Give a grade for a completed task.  Determine the final course grade.  provide information on grades. | | **Collaborators**  Student  Course  Assignment  Submission | |
| **Attributes:**  Grade ID  Assignment ID  Student ID  Grade Value | | | |

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| **Class Name:** Submission | **ID:** 5 | | **Type:** |
| **Description:** The project or assignment which is submit before the time by a student. | | | **Associated use cases:** |
| **Responsibilities**  Submit an assignment.  Maintain assignment files that have been submitted.  access to tasks that have been submitted.  up-to-date submission status. | | **Collaborators**  Student  Assignment | |
| **Attributes:**  Submission ID  Assignment ID  Student ID  Submission Date  File Location | | | |

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| **Class Name:** Teacher | **ID:** 6 | | **Type:** |
| **Description:** An individual person who give the knowledge to the student. | | | **Associated use cases:** |
| **Responsibilities**  Receive messages from students and reply to them.  Clarify and provide information about the course.  Utilize email or the messaging system to speak with students. | | **Collaborators**  Student  course  Assignment | |
| **Attributes:**  Teacher name  Course ID  Name  Email | | | |

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| **Class Name:** Course Catalog | **ID:** 7 | | **Type:** |
| **Description:** | | | **Associated use cases:** |
| **Responsibilities**  Give students access to the course database.  Provide comprehensive details about the offered courses.  Permit course browsing and searching.  Describe the course, the requirements, and the instructor profiles. | | **Collaborators**  Student | |
| **Attributes:** | | | |

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| **Class Name:** Course Enrollment | **ID:** 8 | | **Type:** |
| **Description:** | | | **Associated use cases:** |
| **Responsibilities**  View the course schedule.  Ensure student registration in a course by checking the course capacity.  Message confirming enrolment is sent. | | **Collaborators**  Student  Course | |
| **Attributes:**  Course ID  Teacher name  Teacher ID  Student Name  Student ID | | | |