**CRC Cards for Final Project: CS4013**

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| **Class:**  Student  **Responsibilities:**  Represent a student of a university  Store student information( id, name, course, year of study, department)  Manage and provide those details  Calculate and view QCA based on student grades  Generate and view transcript | **Collaborators:**  Module class too manage grades |

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| **Class:**  courseModule  **Responsibilities:**  Store module information( code, name, department, credits)  Manage and provide those details  Assign faculties to the modules  Get module info in CSV format | **Collaborators:**  Faculty class for assigned faculties |

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| **Class:**  Programme  **Responsibilities:**  Store info about college course(code, name, number of years)  Manage and provide those details  Manage and organize modules across program years and semesters  Get course CSV with its modules | **Collaborators:**  ProgrammeYear for organizing modules according to semesters  courseModule class to interact with the individual modules |

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| **Class:**  Faculty  **Responsibilities:**  Store info about a college faculty member(name , id, department)  Manage and provide those details  Have modules assigned to them  Manage grades for their modules | **Collaborators:**  Student class to add grades  courseModule to have modules and add grades of modules |

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| **Class:**  Admin  **Responsibilities:**  Store info about an administrator of a college records system(username, password)  Manage login  Create and remove faulties, students, programmes, modules  Assigne modules to faculty  Generate transcripts, module list, faculty list | **Collaborators:**  Faculty, Student, Programme, Module to create, remove manage and access their info |

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| **Class:**  QCAcalculator  **Responsibilities:**  Calculate the QCA of a student | **Collaborators:**  Student and faculty and courseModule class to get grades and credits and other necessary info |

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| **Class:**  CommandLineIneterface  **Responsibilities:**  Provide a command line interface for user of the record system  Manage input and continue accordingly  Handle the admin responsibilities  Login funciton | **Collaborators:**  Admin class to access and complete the admin responsibilities  Utilize scanner class to receive input  Faculty and Student to execute their operations |

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| **Class:**  ProgrammeYear  **Responsibilities:**  Represents a year divided into two semesters  Stroe and manage moudles for each semester | **Collaborators:**  With admin class to add modules to program  courseModule to store and manage modules for each semester |