CRC Cards- Generic Learning Platform

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| **User** |
| *Responsibilities:*   * Constructor to setup username, password, firstName, lastName, classes, and isTeacher * Convert a single string into username, password, firstName, lastName, classes, and isTeacher * Adds classNames to classes * Calculates GPA * Convert username, password, firstName, lastName, classes, and isTeacher into a single string |
| *Collaborators:*   * SchoolClass(subclass) * Main Page: Form(subclass) * Grade(subclass) * Database(subclass) |

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| **SchoolClass** |
| *Responsibilities:*   * Creation of a class with className, classID, teacher, students, and grades * Constructor to setup class information * Parser for student list * Getting Grades * Adding students * Adding grades * Changing Grades * Encoding class information |
| *Collaborators:*   * Main Page: Form(subclass) * Grade(subclass) * Database(subclass) |

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| **Database** |
| *Responsibilities:*   * Stores all teachers, and searches for them via email * Stores all classes, and searches via class ID * Stores all the class names * Keeps track of isTeacher status of user * Keeps track of current user and their classes * Creates user files, and adds teacher, school classes, and students * Saves classes and users * Checks for student and teacher logins * Setup for teachers, student, and current classes |
| *Collaborators*:   * SchoolClass * User |

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| **Grade** |
| *Responsibilities:*   * Creates an array of integers, but can change to float |
| *Collaborators:* |

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| **Main Page: Form** |
| *Responsibilities:* |
| *Collaborators:* |

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| **Opening Page** |
| *Responsibilities:* |
| *Collaborators*:   * Create Student Form * Create Class Page * Main Page: Form |