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| Class name - student | collaborators |
| ***Responsibilities***  **Manage personal information**  Store a student’s name, ID and the name of their programme and provide access to these  Allow the retrieval and modification of the students programme name.dr  **Manage academic history**  Have up to date information about the number of years the student has attended college.  Keep track of each year a student has attended and have it stored in an array  **Manage results:**  Keep a list of the student’s results  Allow the addition of new results to the list  **Generate transcript:**  Generate a transcript for a student that displays their results for each semester and year  **Calculate QCA**  Get the overall QCA for a student  Calculate the QCA for a particular semester  Calculate the QCA for a particular academic year  Calculate the QCA based on a set of grades | **Year:** used to represent the academic years the student has attended  **Result:** represents the students’ academic results including their grades and information about their semester  **Transcript**: used to generate the transcript that displays the student information |

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| --- | --- |
| Class name – year | collaborators |
| ***Responsibilities***  **Manage year information**: Stores and gives access to the number of the academic year  Manage semesters: Create and store the two semesters for each academic year | **Semester**: The year class collaborates with semester in order to manage the semester information. |