**Student Planner Planned Controllers**

**Business Rules and Constraints:**

* Each student must have a unique Student ID.
* Each review must be associated with a specific student and a staff member.
* Comments are linked to specific reviews and staff members.
* Upvotes and downvotes in the Karma Ranking system can only be given by registered staff members.
* Comments should not contain any sensitive or personally identifiable information to ensure privacy and compliance with data protection regulations.

**Assumptions/Feasibility**

* That the data entered by staff members, including reviews and comments, will be accurate and truthful.
* that the system can handle the new students and/or staff entering the system each year and all the number of comments being added.
* That the system will be able to handle feedback and adapt to changing requirements as the staff and student needs evolve.
* That the database will be secure and able to protect the data from the staff and students and prevent unauthorized access.

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| Req Num |  | Feature | Controller | Description |
| 0 |  | Authentication | @admin\_required |  |
|  | @staff\_required |  |
|  | auth.admin\_login(username, password) |  |
|  | auth.staff\_login(username, password) |  |
|  | auth.setup\_jwt() |  |
|  | auth.logout() |  |
| 1 |  | User Account | user.create\_admin() | creates an admin object |
|  | user.create\_staff() | creates a staff object |
| 2 |  | Student List | listing.get\_allstudents\_listings\_json() | Returns all students in database. |
| 3 |  | Search Students | students.student\_name(studentName, studentId, listingid) | Returns the students |
| 4 |  | Student Downvote | student.addDownvote() | Adds a downvote to the overall votes for the selected student |
| 5 |  | Student Upvote | student.addUpvote() | Adds an upvote to the overall votes for the selected student |
| 6 |  | Add Comment | student.addCommnet(‘string’)  student.deleteComment() | Adds comment under student |

1. Authentication
2. User Accounts
3. Student List
4. Search Students
5. Comment on Students
6. Upvote Students
7. Downvote Students