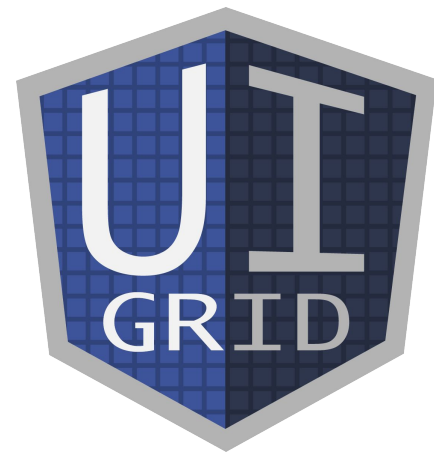




Express



Senior Project
Fall 2018
VIP 9.0



mongoose



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Instructor: Masoud Sadjadi, FIU

The VIP admin panel is a source of a lot of information, navigating this information is limited and editing the data is time consuming. Manually adding members to a project should be reflected in the user's projects. The administrator should be able to alter tables to better suit their information needs.



Utilizing ui-grid, I displayed the VIP data through the ui-grid tables. These tables support inline editing, selecting individual rows, dragging and dropping columns, saving column state. I adapted the existing functions to work with the new table and added features using existing functions. I modified ui-grid features to fit our needs and implemented multiple row deletes.

PROBLEM

CURRENT STATE

SOLUTION

The current state of the admin panel involved a pop up modal for every edit, greatly slowing down the editing of data. The columns were static and the information being displayed was limited to the columns. Updates to project members would not be reflected in the user's projects. Reflected in Fig.1

SCREENSHOTS & DIAGRAMS

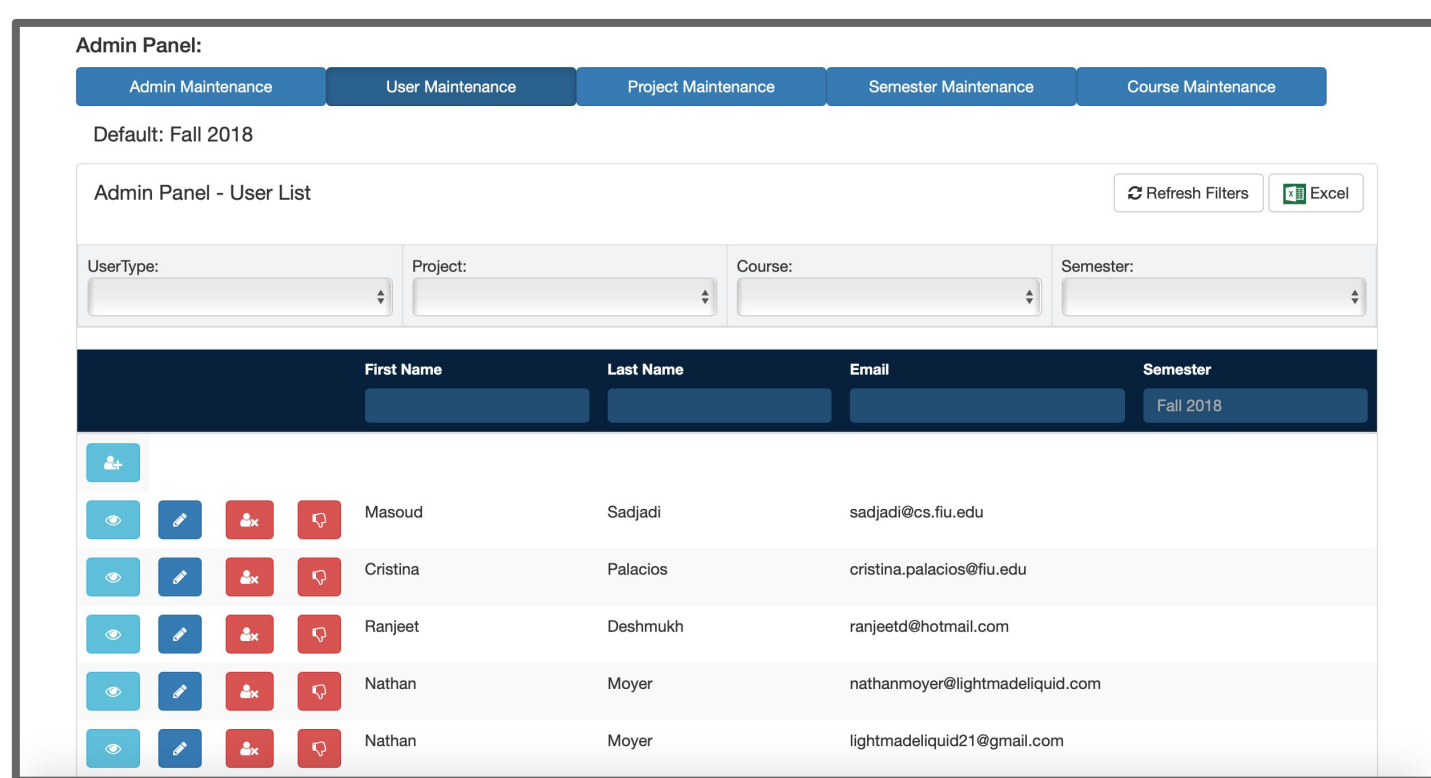


Fig.1 The current state of the admin panel, this is the User Tab, all edits were handled through buttons and columns were static.

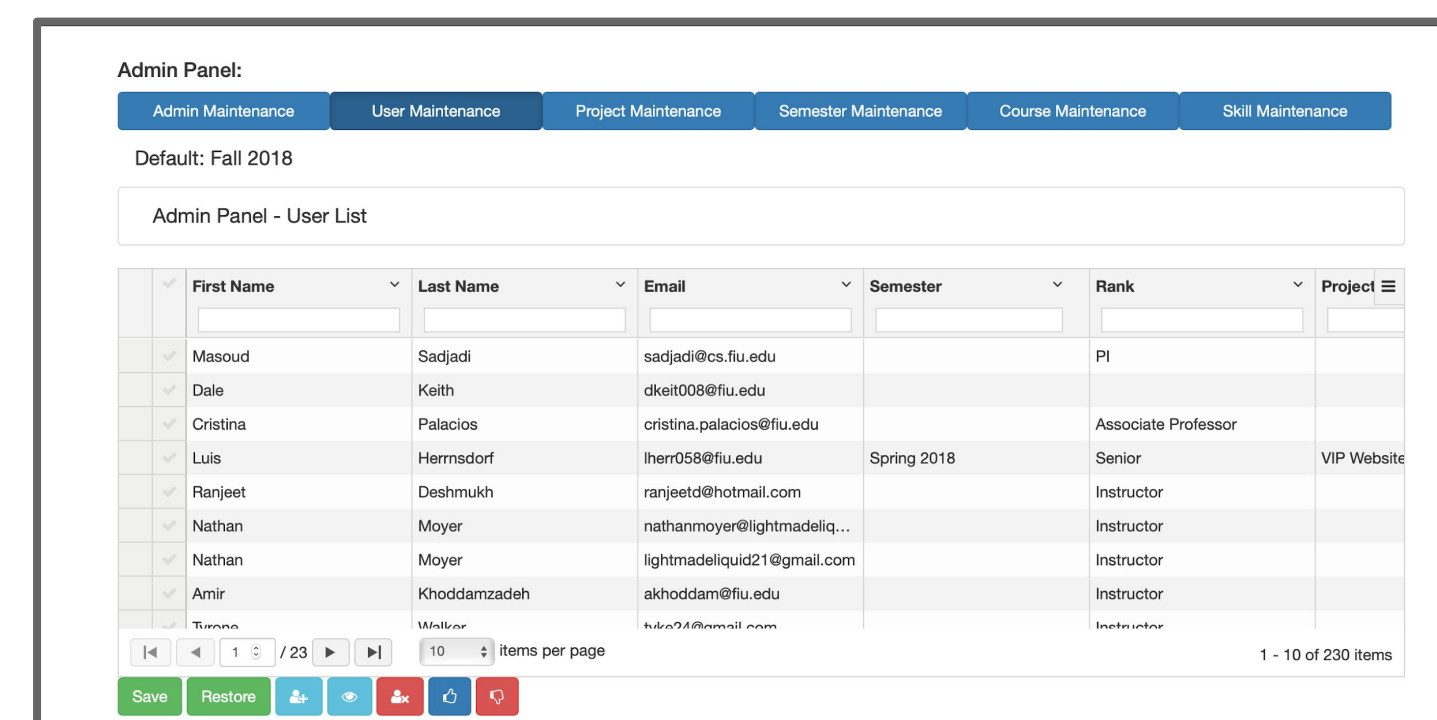


Fig.2 Redesigned tables for User Tab, all other tabs utilize the same updated table while retaining use of existing functions from previous versions.

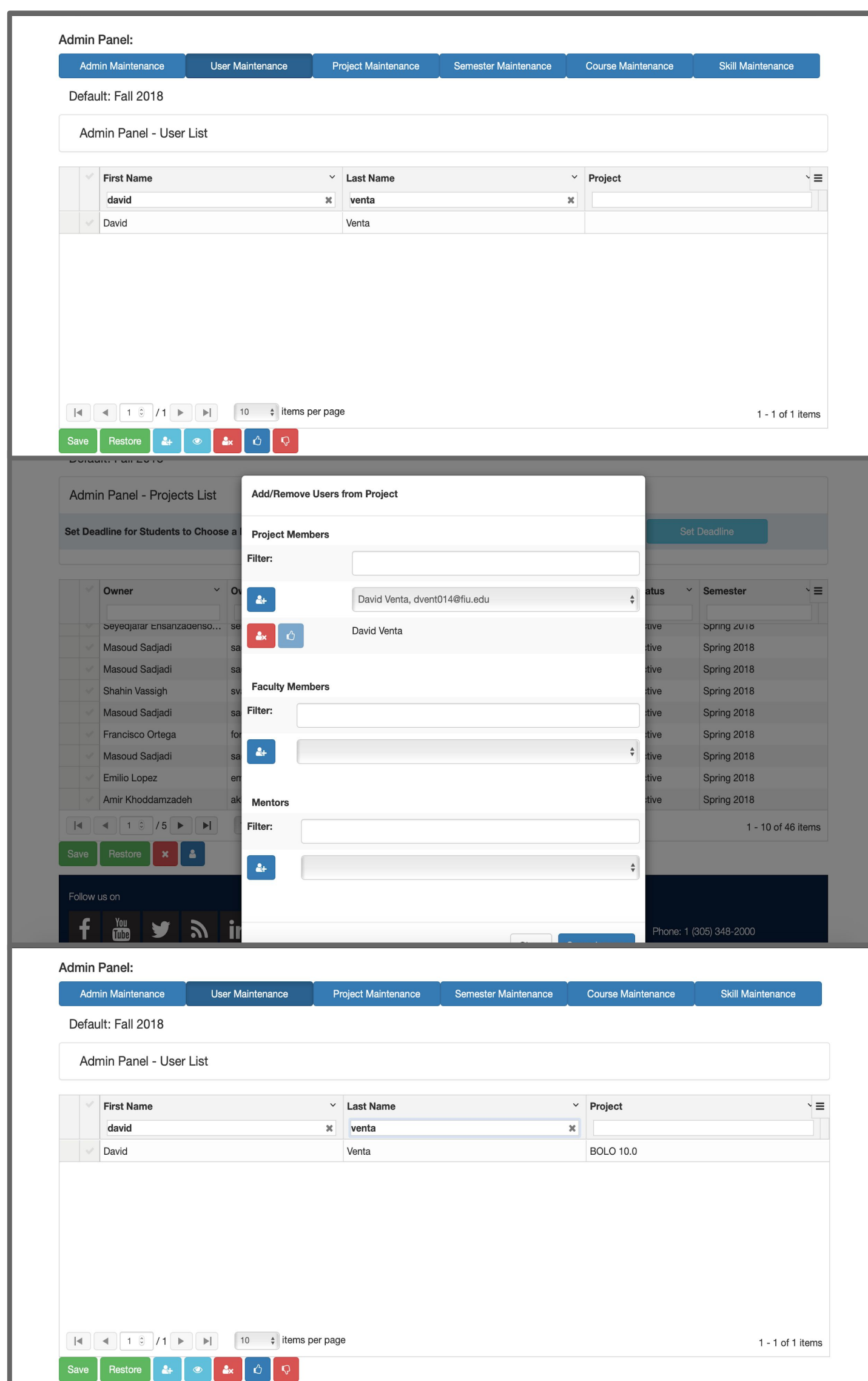


Fig.3 Displays the process for updating project members and the updates being reflected in the user's table. The first image shows a randomly selected student without a project, the second image shows the randomly selected student being added to a project named BOLO 10.0 through the edit project members button on the project's tab,

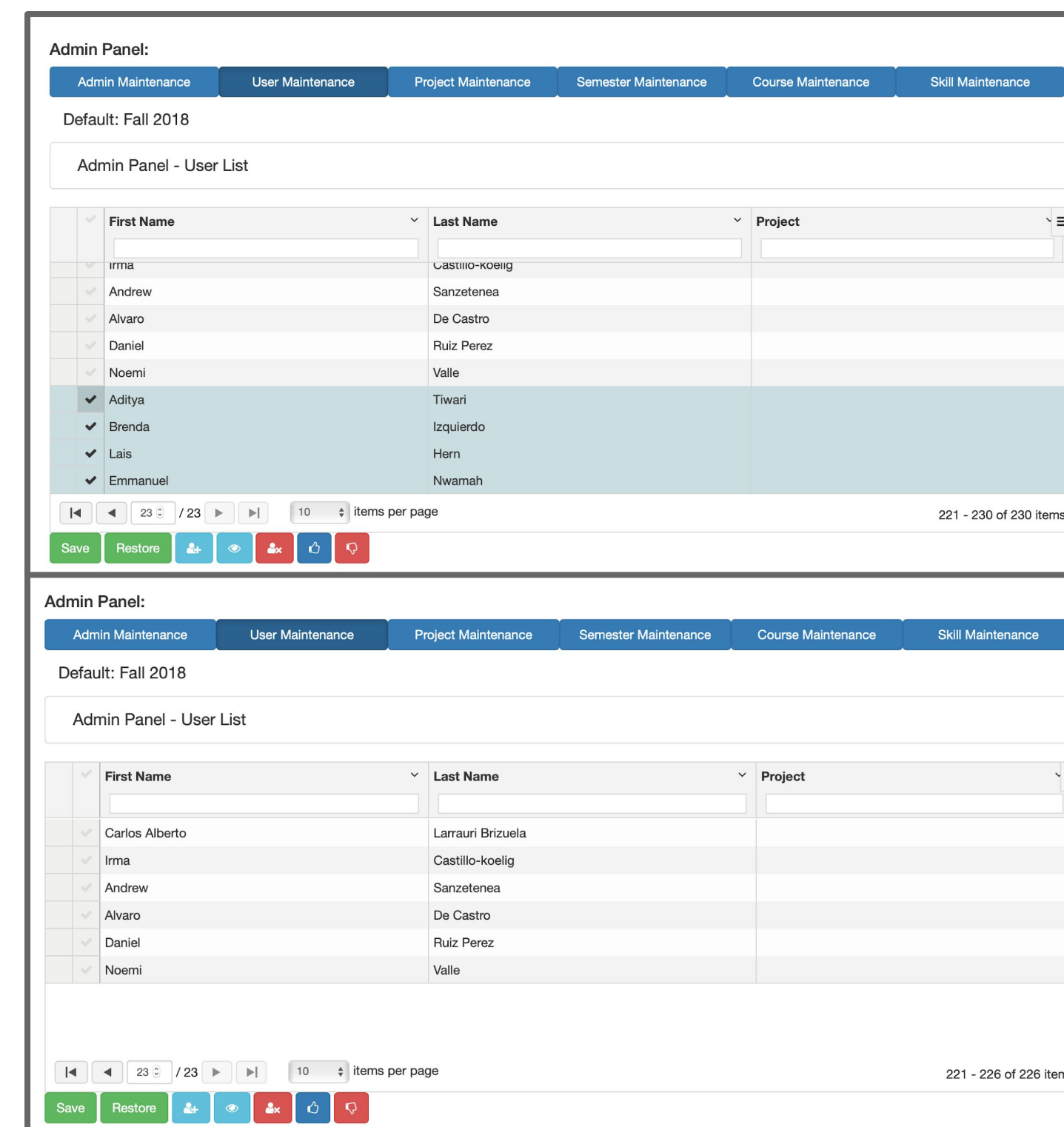
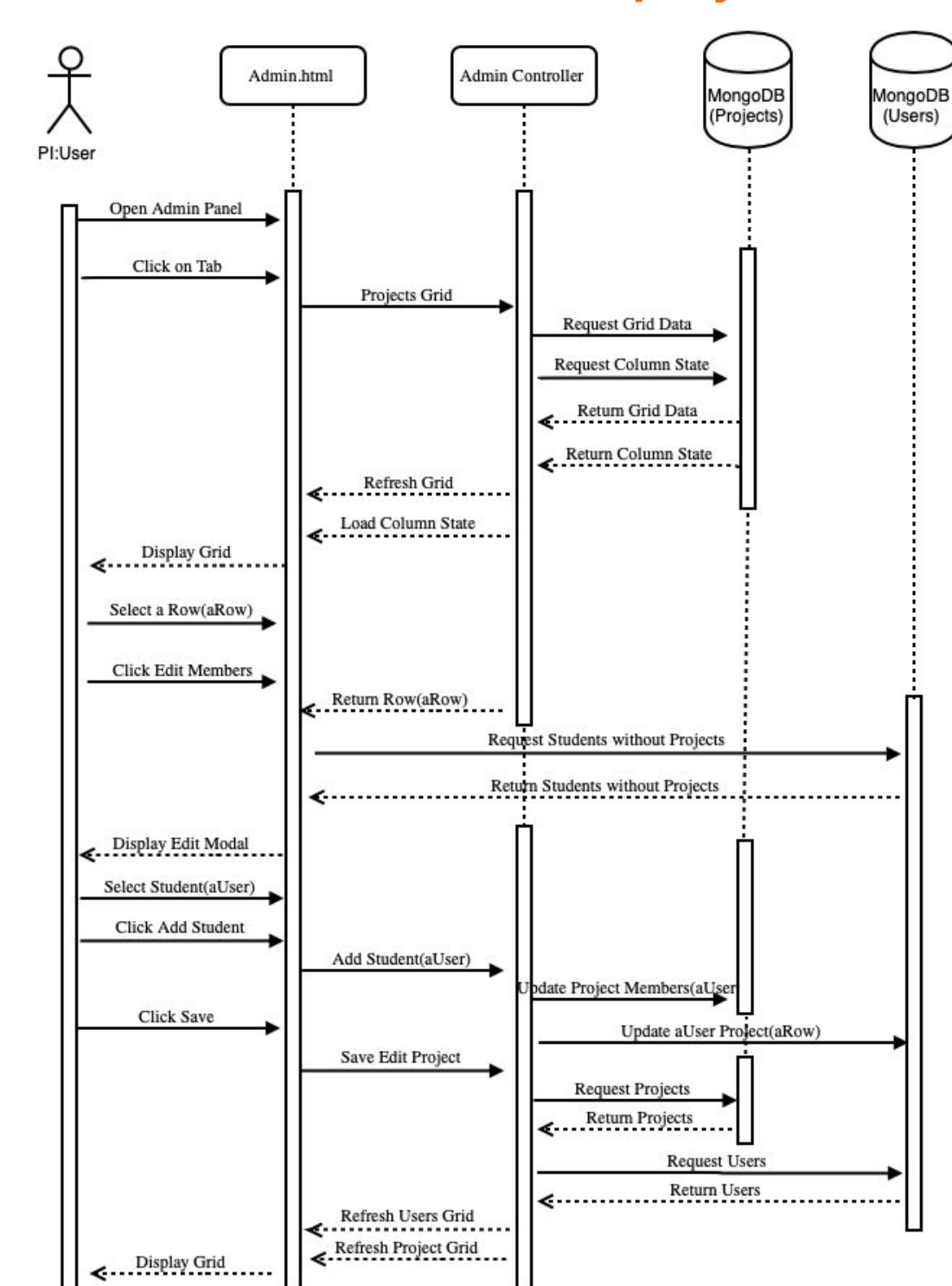


Fig.4 Displaying the ability to delete multiple rows at once. The first image shows many rows being selected on the user's tab, after the PI clicks the delete users button, the delete user function is looped for all of the rows, and the database is updated. The second image displays the updated and refreshed user table without those students. The sequence diagram is below.

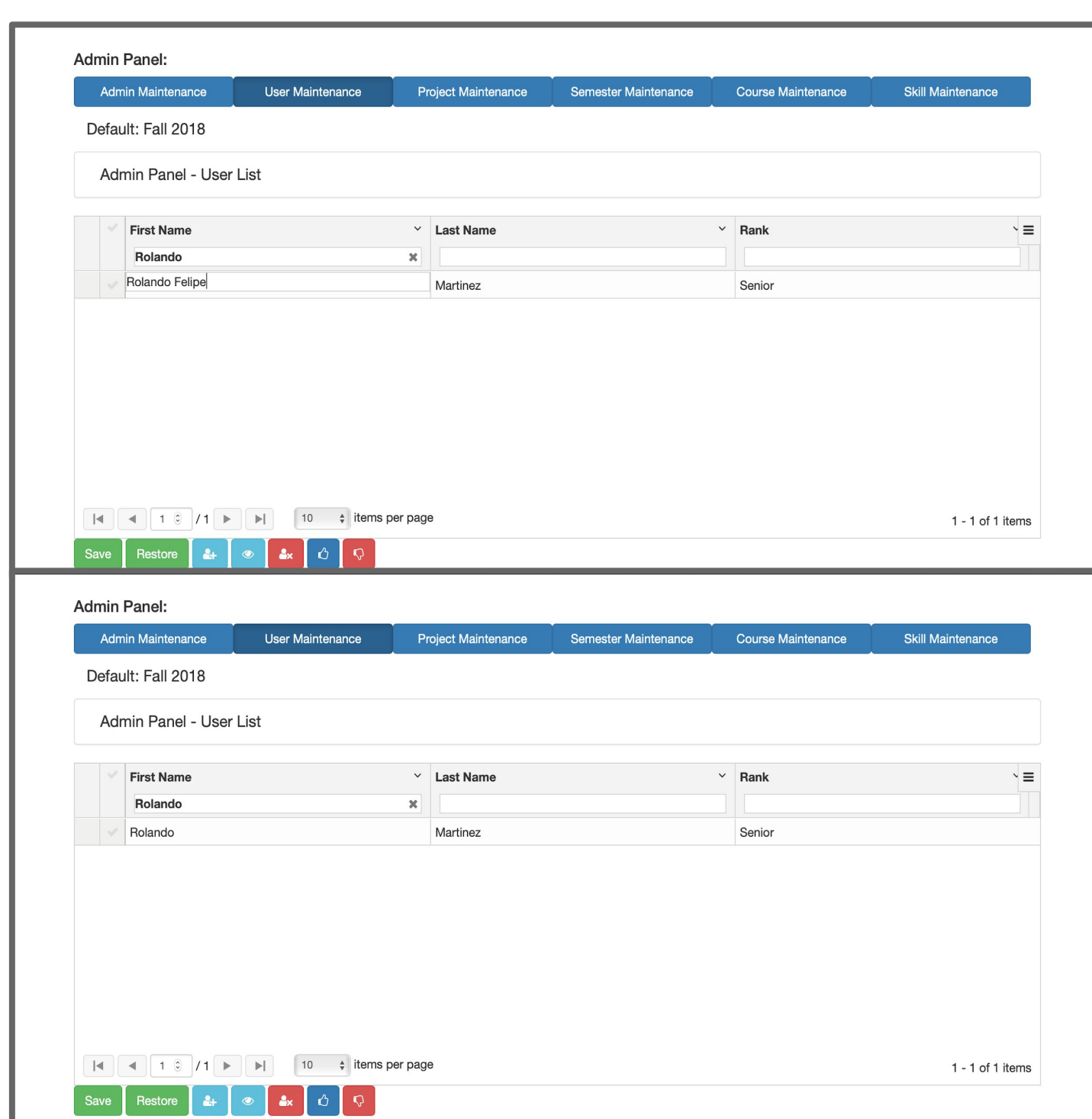
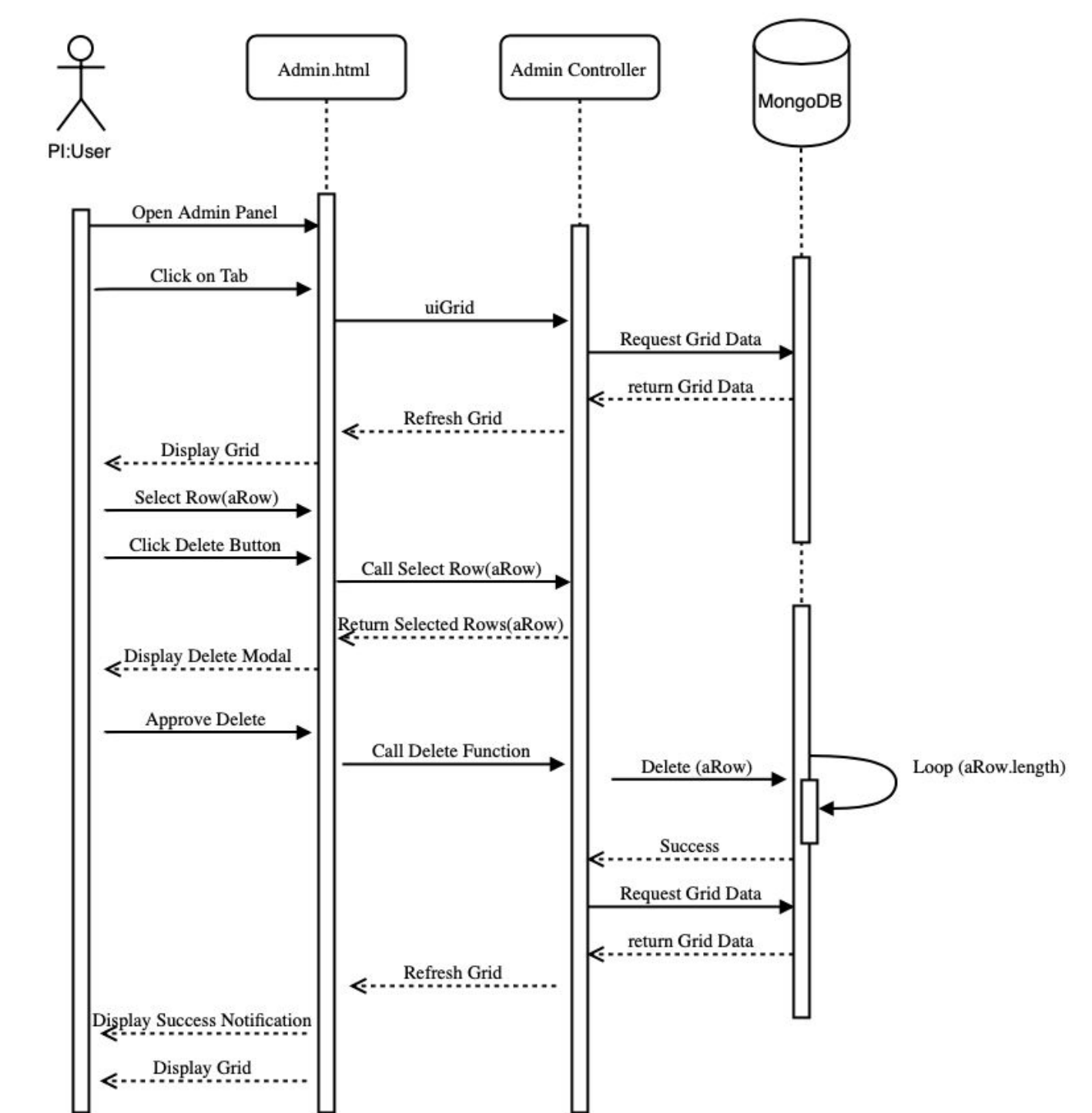


Fig.5 Displaying the inline edit feature of the new UI-grid based tables. The first image shows a student with the first name in a text box indicating that an edit has begun. The second image is after pressing enter, the edit has been saved and the row's ID is sent to the database with the edit to update the user's information. The sequence diagram is below.

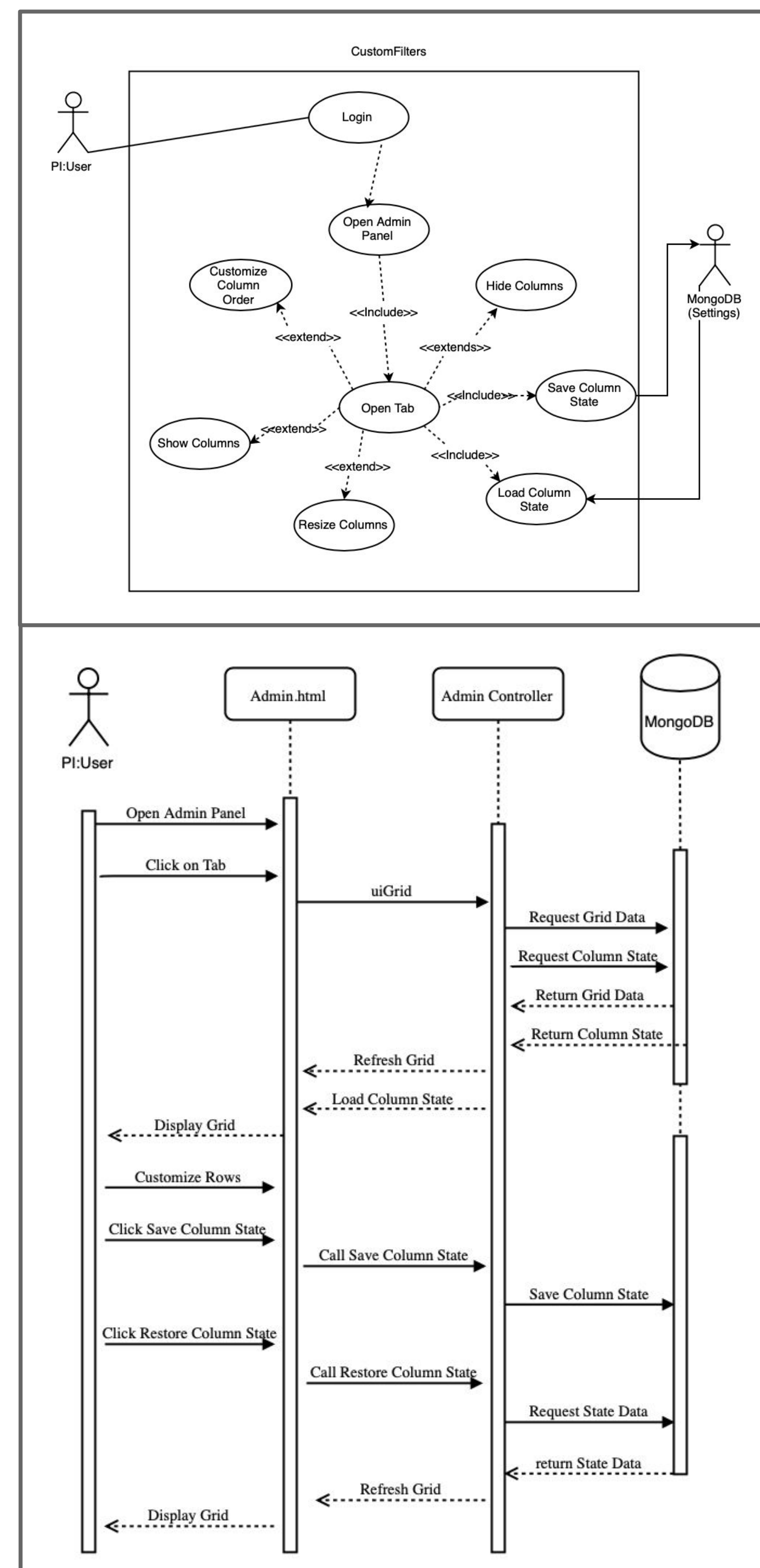
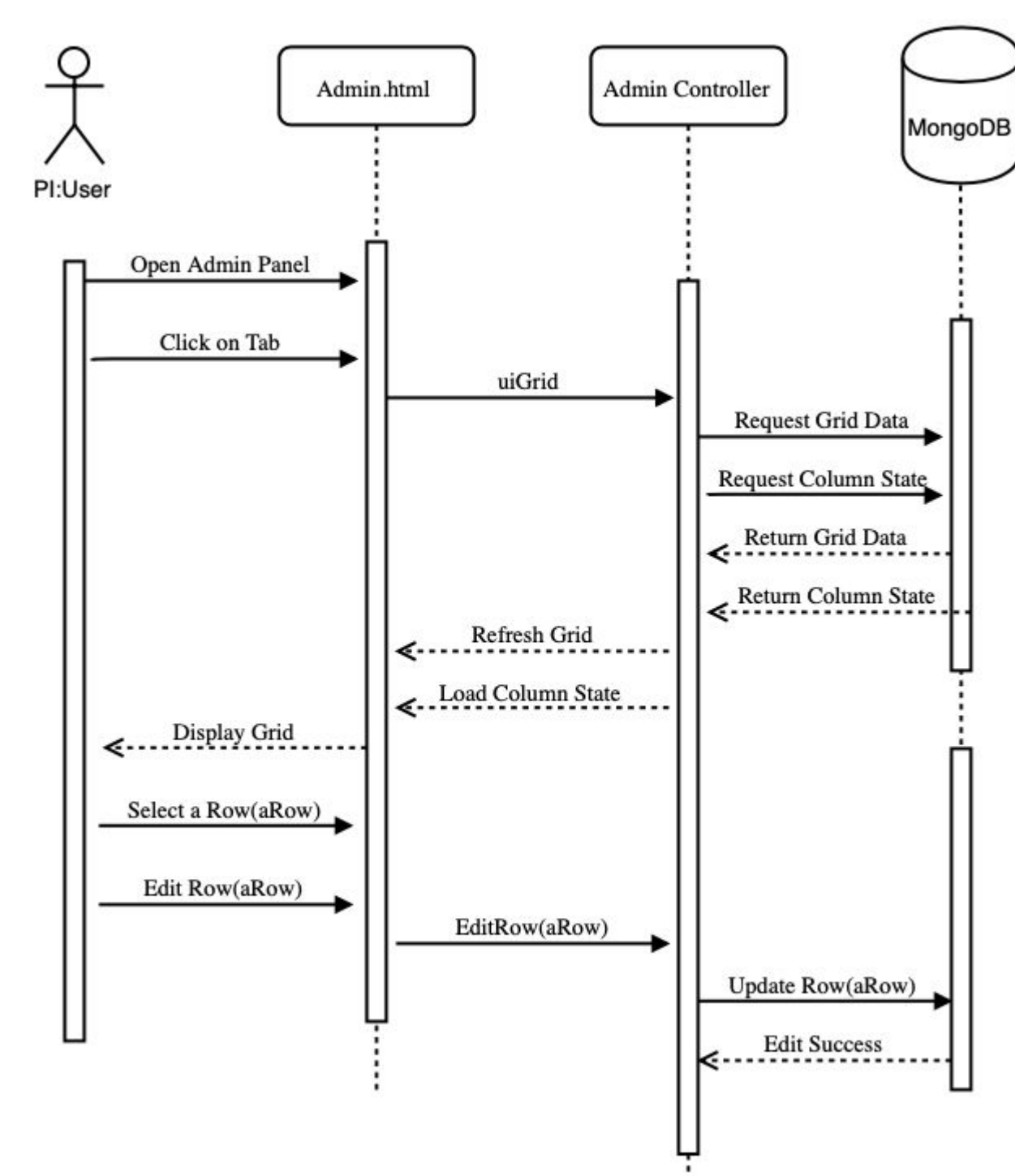
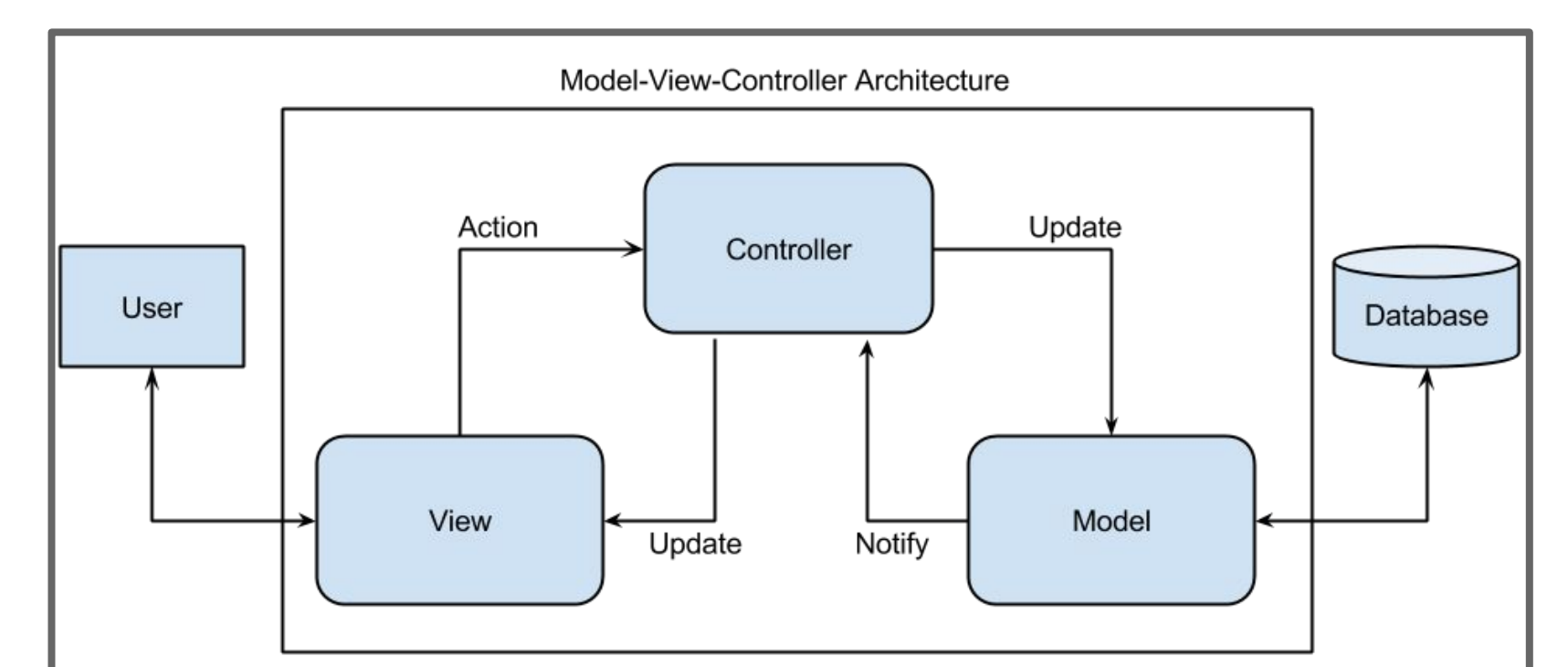


Fig.6 The sequence diagram for saving a custom column state is the bottom image to the left, along with the use case Diagram which is the first image to the left. When a tab is opened, the custom column state is loaded. The PI is able to reorder the columns, hide or display columns, and then save it. This custom state is saved to the user and displayed whenever this tab is opened.

SYSTEM DESIGN



SUMMARY

My contributions to VIP 9.0

- Updated admin panel using UI-Grid.
- Supports inline editings.
- Columns are customizable, and have infinite scroll(allowing all columns to be visible at once)..
- Updates to project members is reflected in the User Project.



ACKNOWLEDGMENT

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