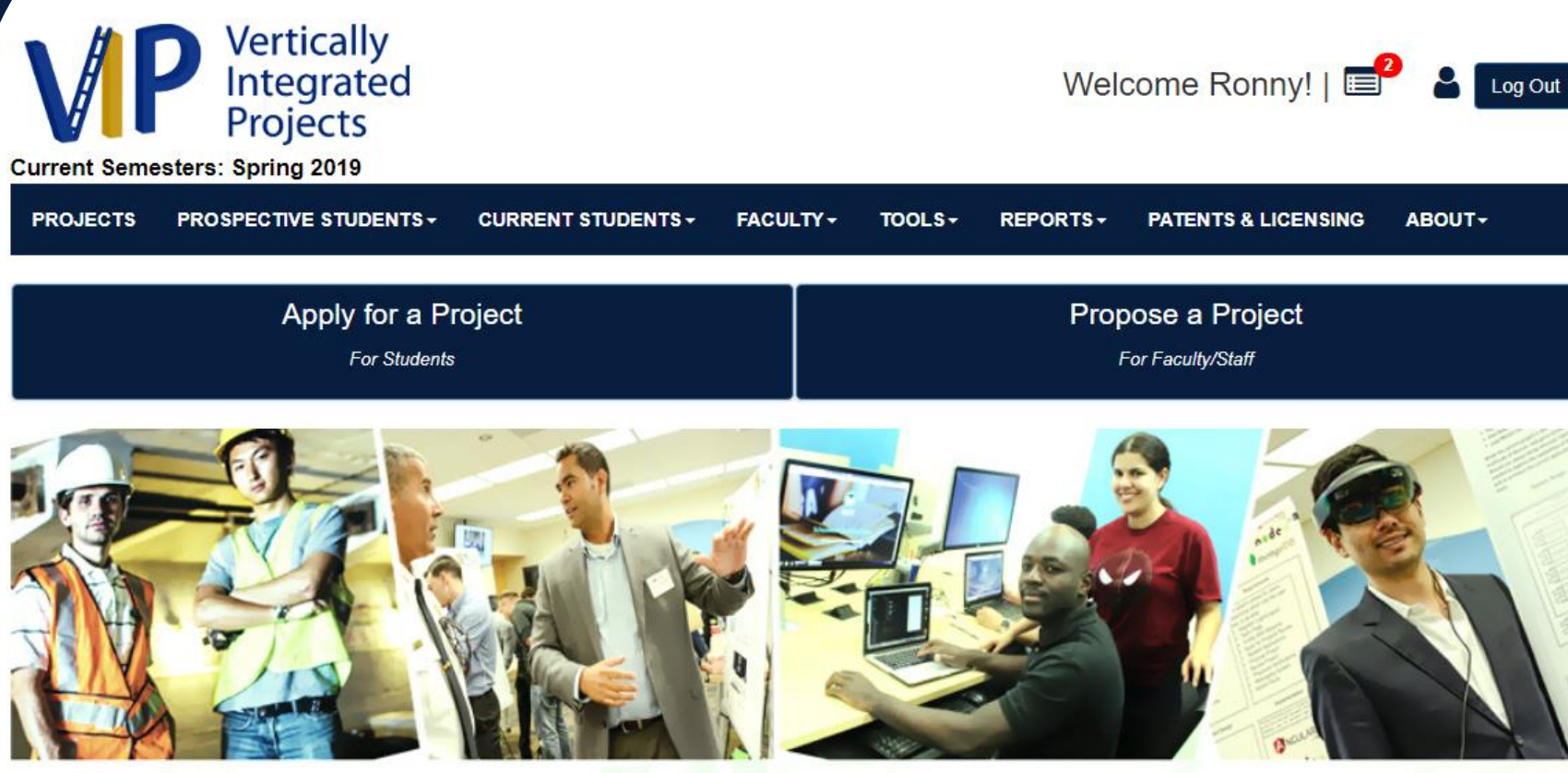


Current System



- Displays all available projects to the students.
- API sends all students in database to Mobile Judge.

Problems

Version 9.0:

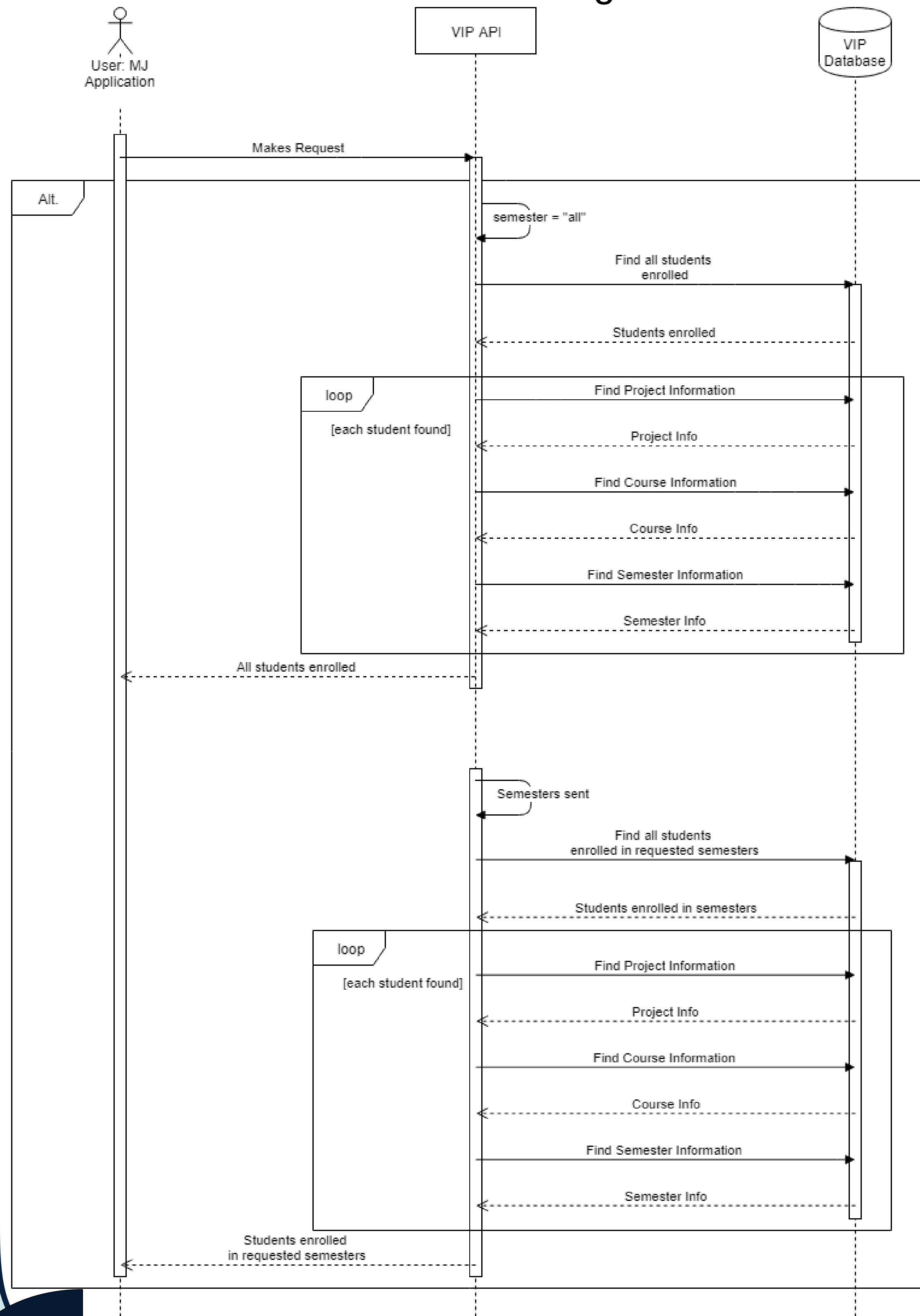
- VIP's connection with MJ sends all students information in VIP's database.
- VIP-Projects page shows students all projects available for registering. However, this page does not have a search functionality nor a sorting functionality.
- Admin panel requires to many inputs in order to edit cells.
- Not fully tested, as a result, this had many bugs and it was not deployed.

Requirements

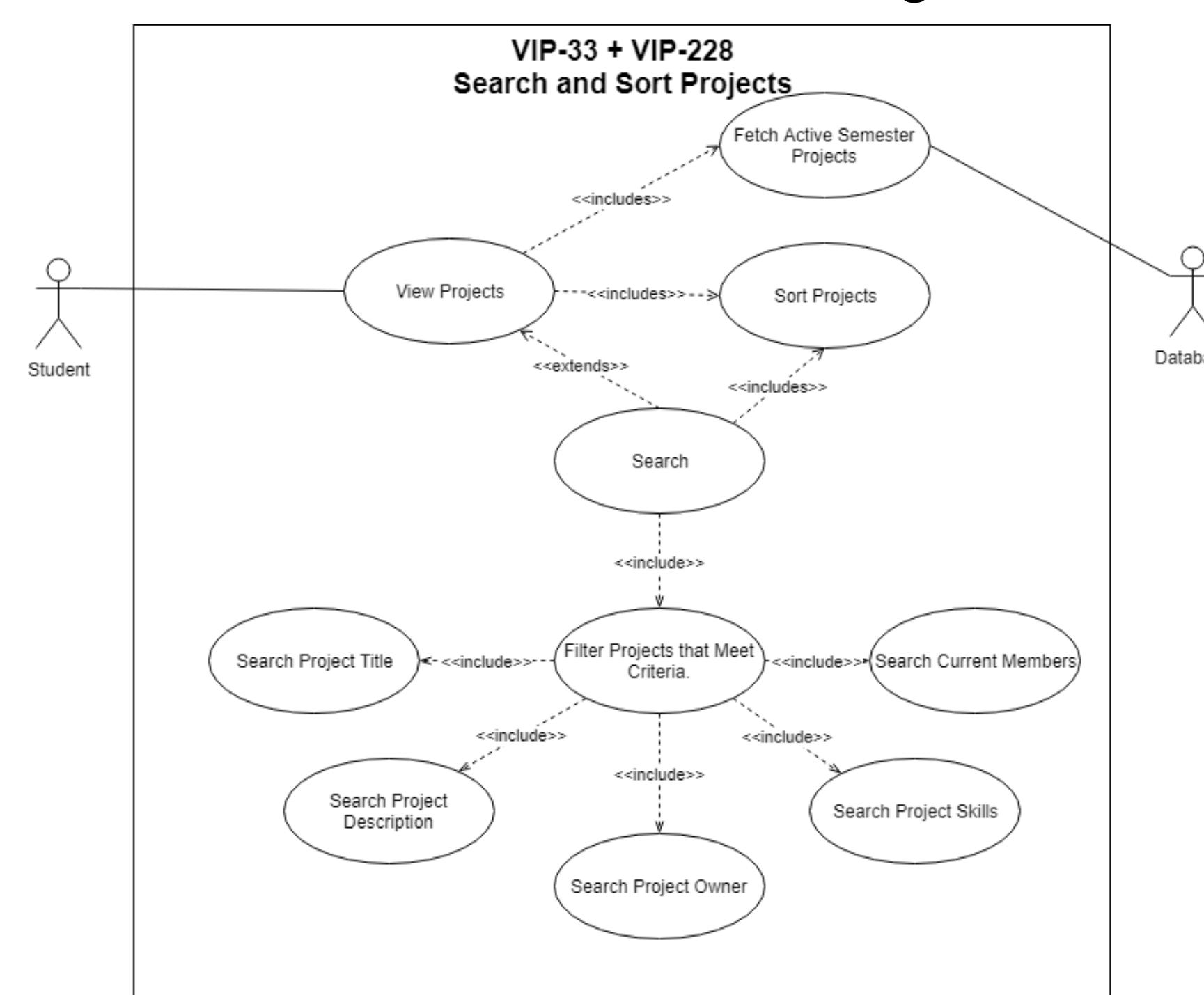
- Search functionality must check within project title, project description, project owner, project kills, and current project members.
- API must allow Mobile Judge to request student from specific semesters (single and multiple semesters) or all registered enrolled students.
- Improve efficiency in Admin Tabs.
- Fix issues and bugs reported by Product Owner.

Object Design

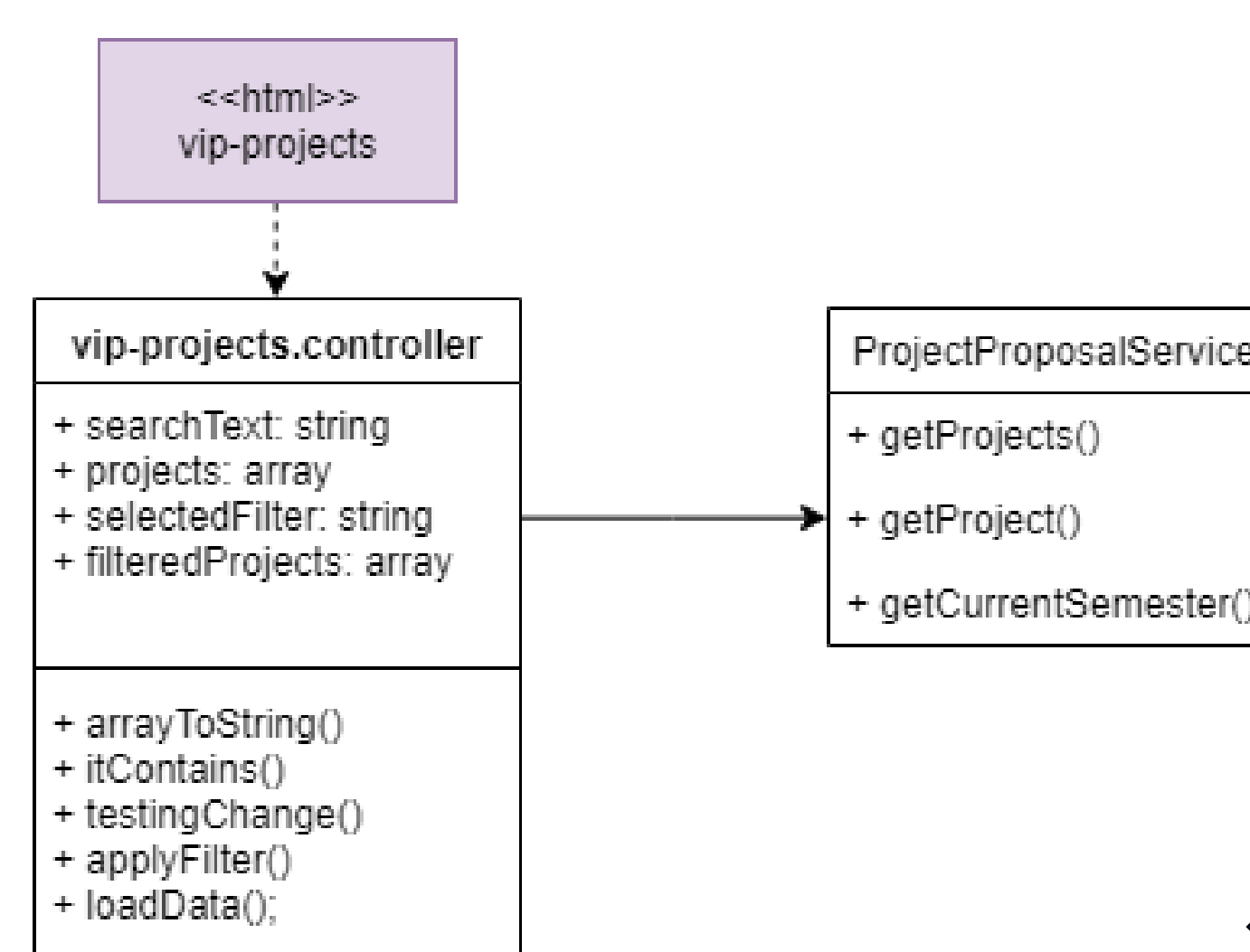
Sequence Diagram for API to Send Students to Mobile Judge.



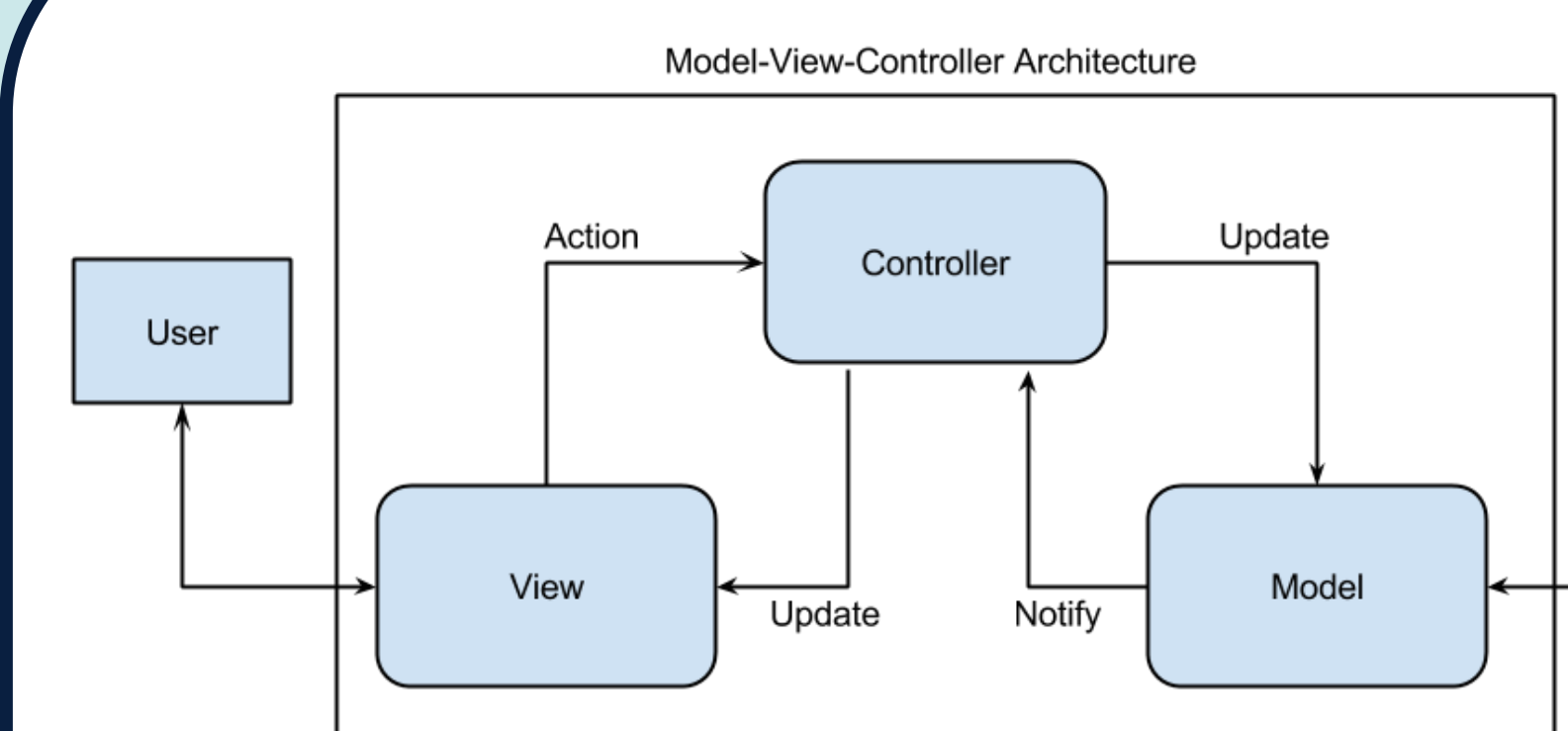
Use Case Diagram for Project Search and Sorting.



Class Diagram Project Search and Sorting.



System Design



- This site runs using the MVC architecture.

Implementation



The following components were used for the development of this application:

- Mongo – NoSQL Database.
- Express – Application Framework.
- AngularJS – Front-End Framework.
- NodeJS – JavaScript Runtime.

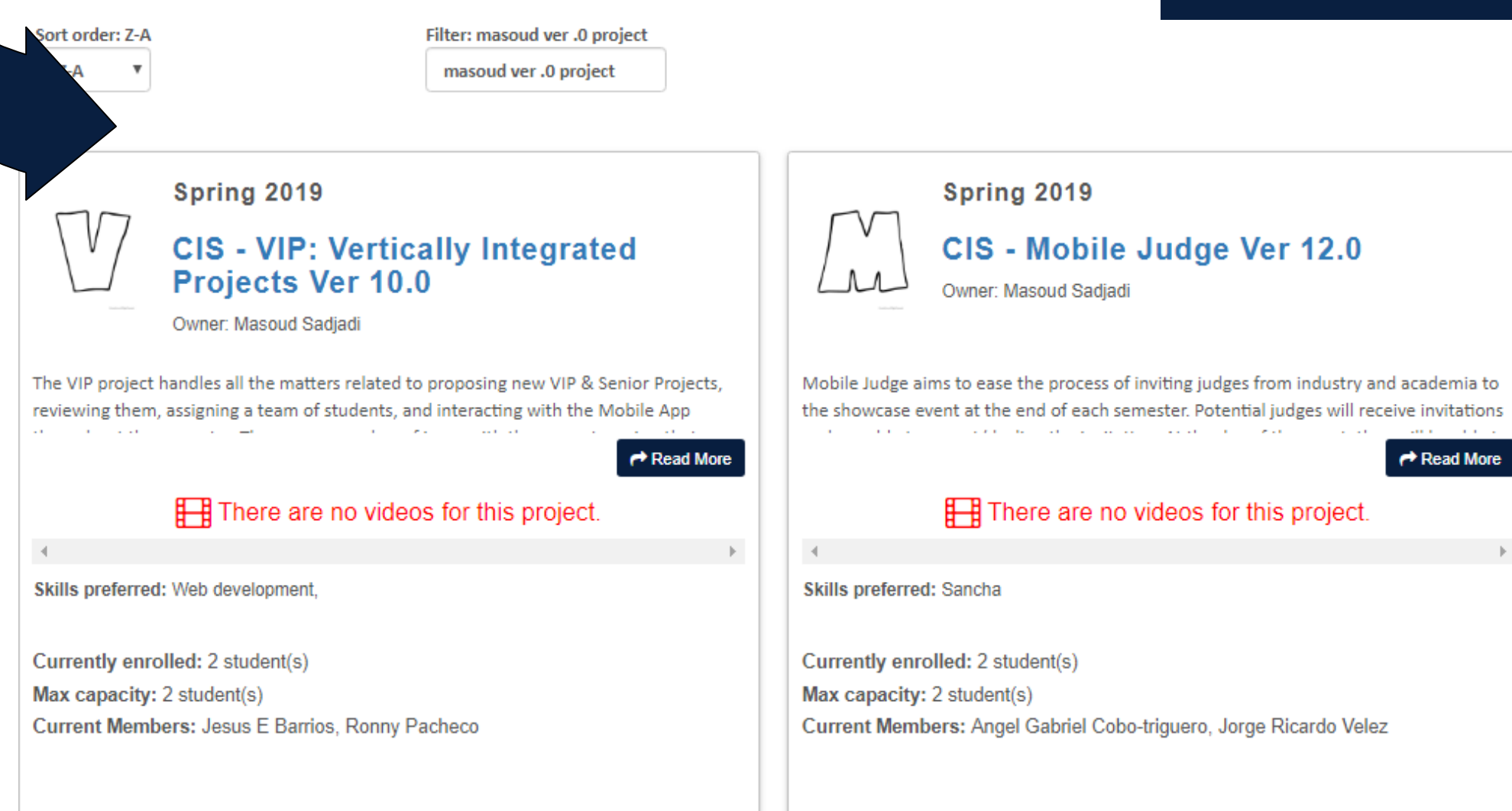
Verification

- Testing done manually through localhost as well as development and production sites.

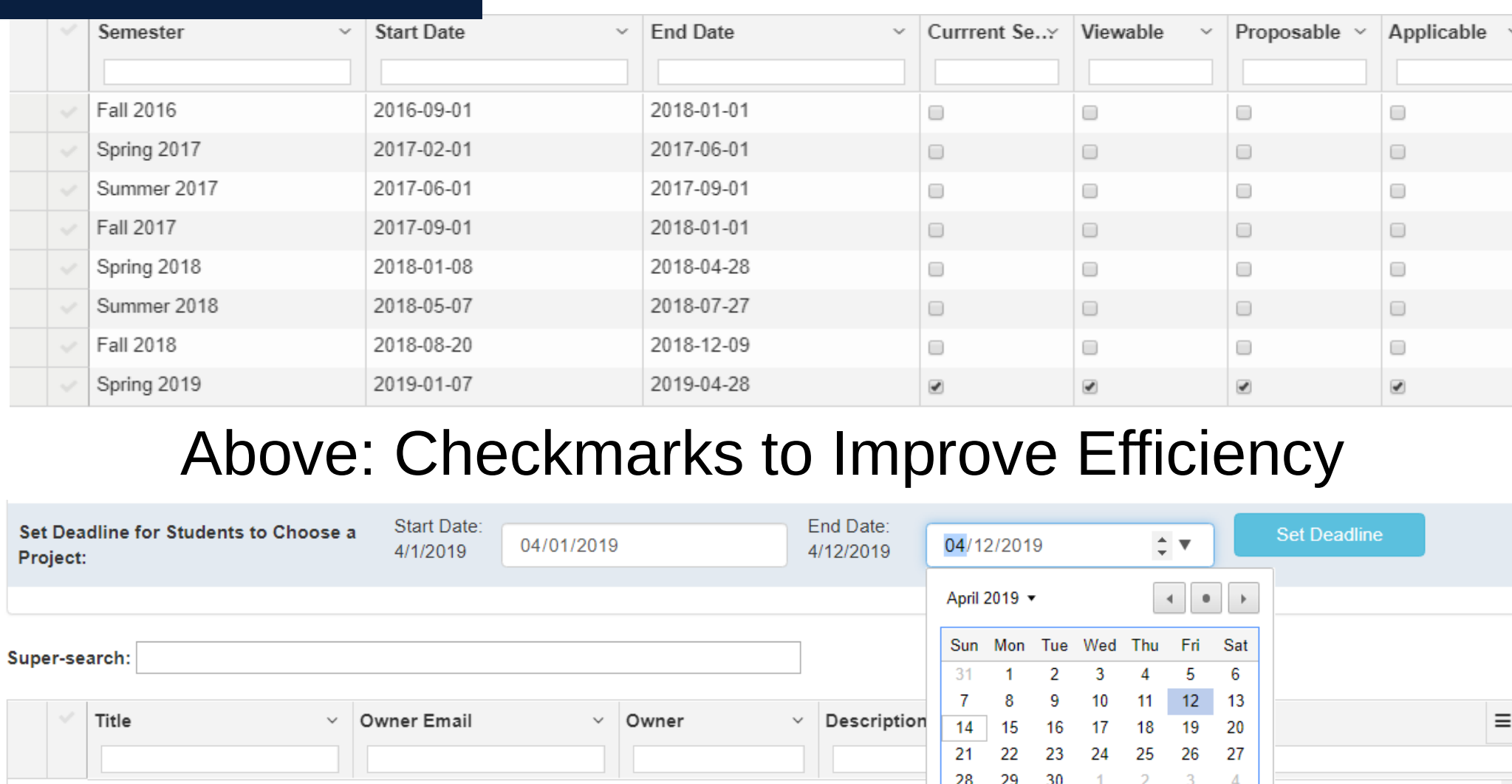
Summary

- Connection with Mobile Judge is now more effective and efficient.
- Students search for projects that best fit their interest and skills.

Screenshots



Above: Search and Sort Projects



Above: Date Pickers to Facilitate Date Entries

Above: Checkmarks to Improve Efficiency

Acknowledgements

The material presented in this poster is based upon the work supported by Florida International University. I thank Dr. Masoud Sadjadi and Eric S. Johnson for the assistance, cooperation and mentorship that I received throughout this process, as well as my teammate Jesus E. Barrios, and the Mobile Judge Ver 12.0 team, Angel Cobo and Jorge Velez.