WL.io

CIS 400 Final Project

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Team

Anni Pan | annipan@seas.upenn.edu

Yuxuan Wang | ywceci@seas.upenn.edu

Tianhe Xie | tianhes@seas.upenn.edu

Yiyu Wu | yiyuwu@seas.upenn.edu

Yongzhe Zhu | zhuyz@seas.upenn.edu

Advisors

Sampath Kannan | kannan@seas.upenn.edu

Jonathan Smith | jms@seas.upenn.edu

Sangeeta Vohra | vohras@wharton.upenn.edu

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I. Value proposition

WL.io: An easy-to-use waitlist system for college professors and students.

II. Market Research

We have interviewed with professors and students at Penn.

Professors say that the current waitlist system is hard to manage. Either the professors themselves or the waitlist system manager has to add students one by one to their desired class. Many students also email the professors about the changes to get into a certain class, when the professors do not have any information.

Students say that the current waitlist system lacks transparency. They have no idea how likely it is to get into a certain class, and sometimes emailing the professor also does not help.

The current waitlist system also has an outdated UI, making it difficult to navigate and find the information useful to students. The UI created a frustrating user experience.

Many colleges in the U.S. face similar problems in terms for their waitlist systems. Although WL.io is a product for Penn right now, it has the capability to expand into other campuses.

Schools pay for education platforms they use, such as canvas for class management or ed for class discussions. Similarly, our project plans to charge schools for using the waitlist system.

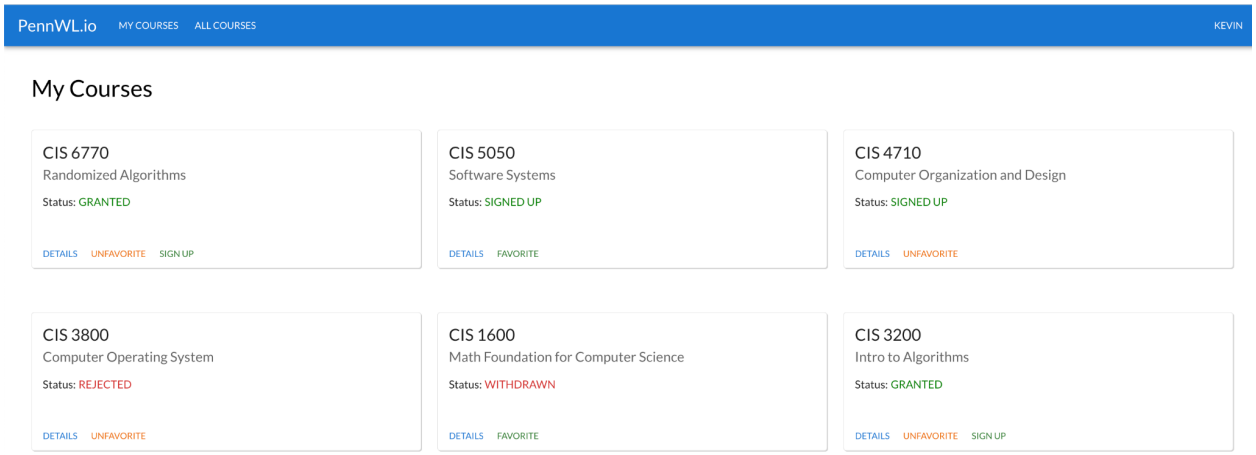
III. WL.io Product Implication

The implementation of WL.io for college classes can have a significant impact on both students and faculty. This streamlined and user-friendly waitlist system will offer a transparent and efficient method of managing enrollment for professors, reducing confusion and improving satisfaction for students. By taking into account factors such as student preferences, senioriority, and course prerequisites, the WL.io aims to optimize class allocations and reduce the stress associated with class registration. Furthermore, professors will benefit from easily managing the enrollment in their classes. Ultimately, the adoption of WL.io demonstrates our project's commitment to providing a transparent and easy registration process.

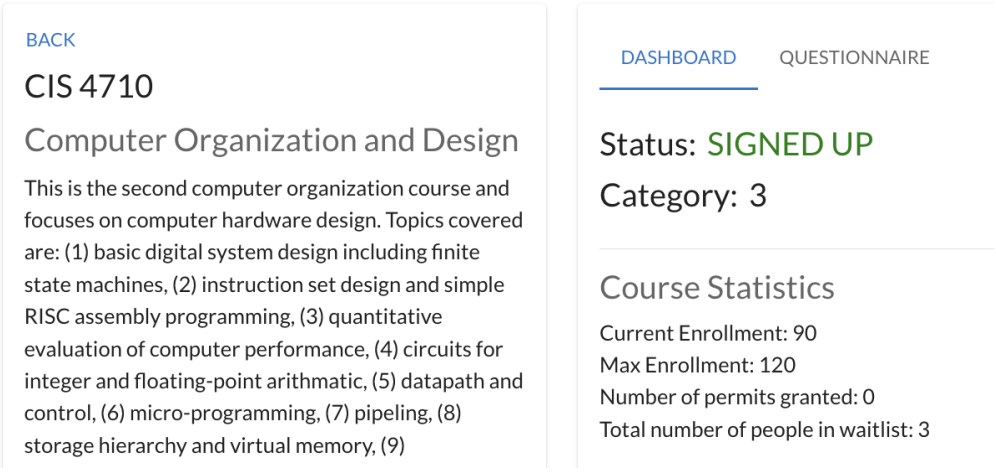
IV. Feature Highlights

Clean UI

Student's view after logging in

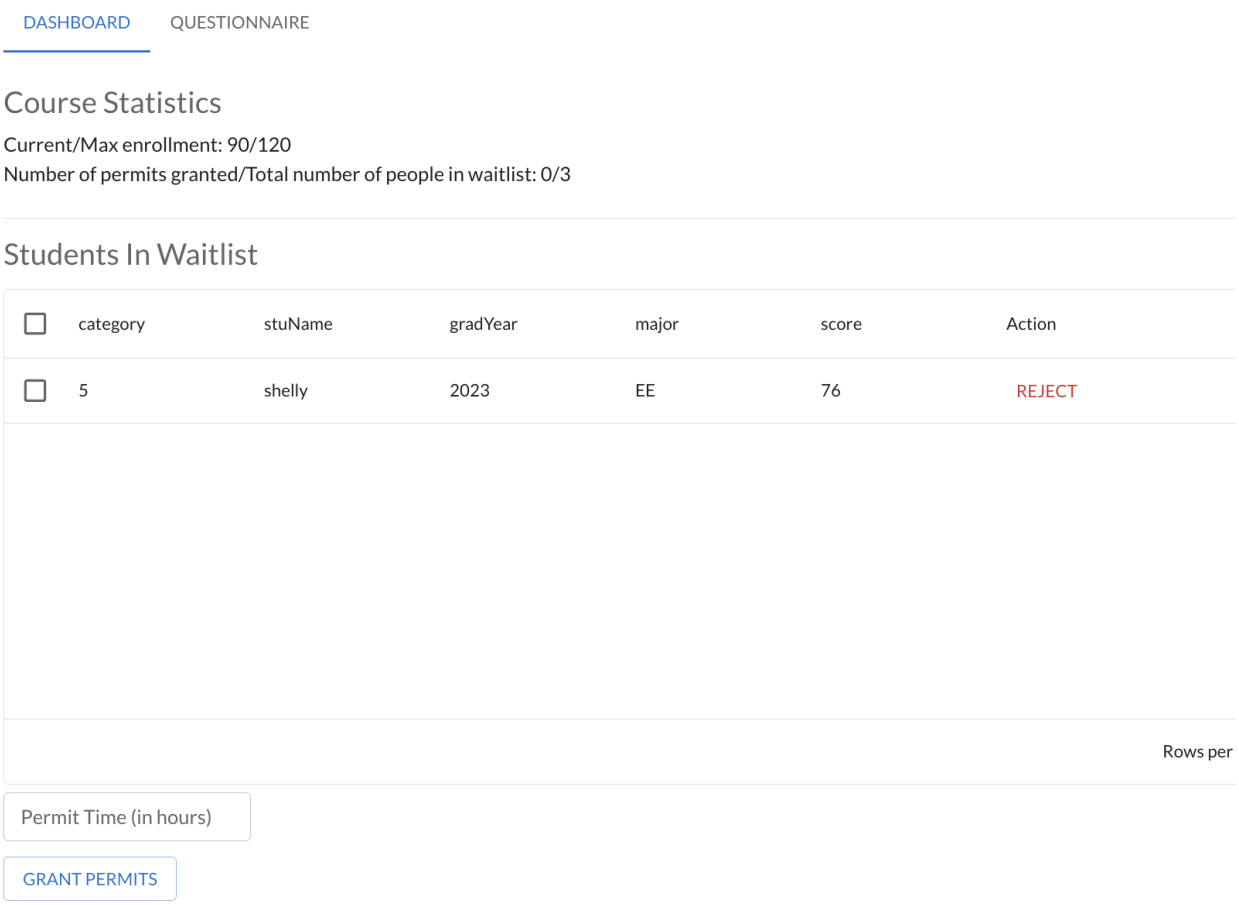


Transparent Ranking Information



Students can see how many permits are issued and total number of students in waitlist

Professor View for a Specific Class



Professors can batch add students by selecting who they want to add and click grant permits. Professors can also easily see the students' information, such as grad year, major, score (which is computed using students' information and can be an indicator of whether the students should be admitted to the class)

V. Conclusion and Future Work

For this project to commercialize, we need to accommodate and integrate the system with different school's database. Currently, the database does not hold real data of any student. The integration with real data require us to cooperate and negotiate with school administrators.

The backend data is based on Amazon's AWS and we are using the free version. We expect costs for the database should the project commercialize.