



April 18, 2019

University of Virginia, Charlottesville, VA, 22904

🐦 <https://awesome-schedule.github.io/> 🔗 <https://github.com/awesome-schedule>

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1 Executive Summary

Awesome-Schedule is an open-source online scheduling website which aims to serve as a complement component of Student Information System (SIS) and other online scheduling websites, and allow students at UVa to schedule their classes more efficiently. This is an ongoing project undertaken by the current undergraduate students of UVa. The project aims to address the issue of the current system, which is that one online website is difficult to meet the needs of all students. We hope to develop an adaptive website which will fit into the needs of the current students. In order to achieve so, we hope to develop this project and use it to serve as an open-source platform so that interested students/developers will be able to add whatever features they see fit. For this project, we have currently developed a functional scheduler, and new features are under. In the future, we hope to launch the project and engage an interested student community to maintain the website.

2 Team Profile

Zichao Hu Chief Manager

Hanzhi Zhou Chief Developer

Kaiying Shan Cheif Developer

Yan Ju Chief Marketer

3 Background

We took a survey after the beta version launch. The survey gives us many positive feedbacks.

What year are you?

67 responses

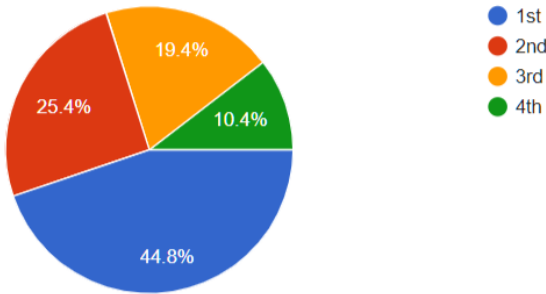


Figure 1: Participant Distribution

How much do you feel that the Awesome Schedule is easy to use? From scale of 1 - 5

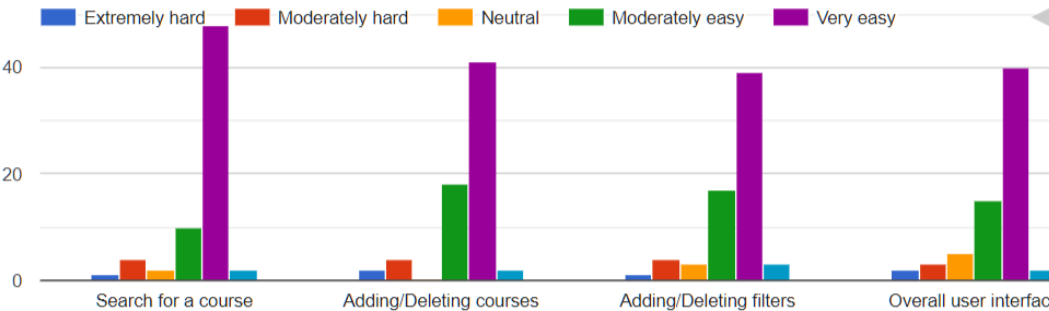


Figure 2: UI Feedback

How likely are you to use this website for scheduling?

67 responses

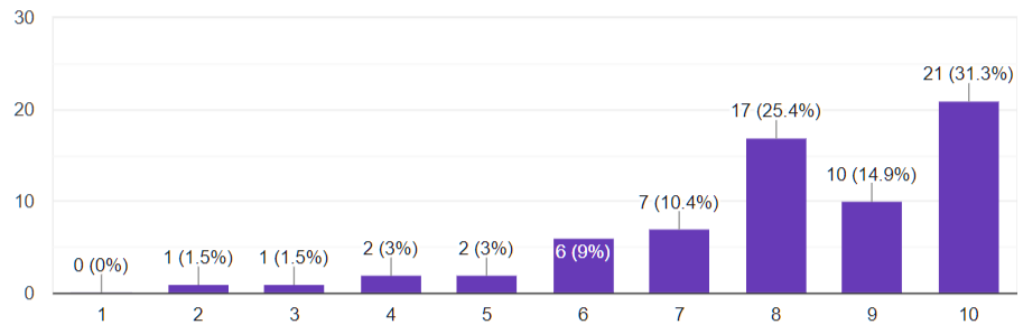


Figure 3: Potential Users

To what extent would you recommend it to your friends?

67 responses

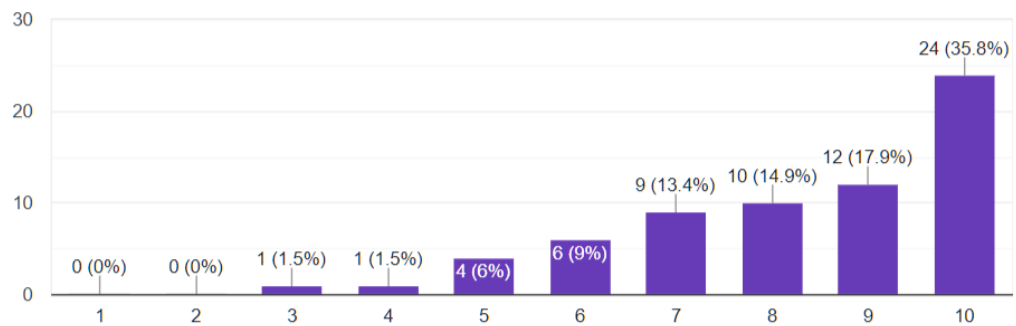


Figure 4: Potential Users Recommendation

4 TimeLine

Table 1: Timeline of Awesome Schedule

03/02/2019	.....•	Hackathon: the Beginning of the Project.
03/31/2019	.....•	Beta Version Initial Launch.
04/05/2019	.....•	Presentation During CS 2110 Class. Get Endorsed by Professor Basit.
04/09/2019	.....•	Cooperation with CSSS.
04/14/2019	.....•	Cooperation with MSN.
Before 05/2019	.....•	Converstation with University Officials.
Before School Ends	.....•	Recruit Potential Student Contributors.
05/2019	.....•	Create Email List.
07/2019	.....•	Present to the Class of 2023 Chinese Students During Sendoff.
08/24/2019	.....•	Activity Fair Tabling.
09/2019	.....•	Get Endorsed by Lou's List.

5 Buget

A preliminary budget:

1. Developing:

- Google Maps Platform: Data Request 100\$
- Google Analytics: Free

2. Marketing:

- Beta Version Launch Promotional Product: 150\$
- Editing Software: 60\$
- QRCode Generator: 60\$
- Flyer: 30\$
- Marketing Promotional Product/Poster/Tabling: 350\$

3. Maintenance & Future Cost

- 150\$

4. Total: 900\$

6 Developing Plan

1. Sticker Note Feature:

- Allow user to customize some time blocks and insert notes to the time blocks, **e.g.** "Club meeting".
- User can set color for each sticker note.
- If several sticker notes have overlapping area, make each note occupy part of the space and display all the notes parallel to each other, **e.g.** See Coursicle
- Let the users choose if each sticker note can overlap with the no-class time filter.
- To avoid confusion, have two separate spots for no class time and sticker notes, even though sticker notes may also serve as the function of no class time, **e.g.** to achieve this we can add a new side bar only dedicated to the sticker note feature.

2. Comparison Feature

- Under comparison Mode, ignore the Sticker Notes Feature
- Compare two schedule side by side
- Use your imagination and creativity to make it look good and handy to use

3. Grade Distribution

- Create a grade distribution info for each class (not each professor because we do not know if the professor will still teach the class or not)
- Like the button of "**Click for more details (Lou's List)**", make a button next to it to show the grade distribution
- **Remark:** Look at the Lou's List, if you click on the title of each class, e.g. CS 2110. There will be a pop in "Course Selection Guide". Get the data and incorporate in our grade distribution

4. Class Distance Feature

- Create data matrix of all the buildings on Ground with their respective data

- Still use the "combine class" method. For each class time with multiple sections combined, use the section with the best distance to represent those sections. Under more info, it will tell the class distance (in terms of time) to the previous class and the next class.
- We should not calculate the class distance if the time between two classes are over 30 minutes.
- On the sidebar, we provide a new button which gives route overview of the schedule. it will show the classes taken place on the google map, and the route between each class

5. Unit Test

6. Export Data Feature

- Incorporate features to allow the user to add our schedule on their google calendar, or apple calendar

7. Better Mobile UI interface

- More detail discuss later

8. A what if scenario

- Use the data from SIS to create the what if scenario

9. "What's Cool on Ground" Feature

- add outside link to UVa CIO for advertisement. Help small but interesting CIO to get more publicity
- add outside link to support UVa student startup.
- Provide students a new way to find interesting things going on on Ground

Things to heed from the results of our survey:

- "accomodate to the new english program"
- "Make the class blocks more visually appealing, they are too plain right now" ×4
- "Share the class with friends" – maybe for the comparison, we can compare with friends schedule?
- "The project is great. You guys are awesome"
- :)