

LOST THEN FOUND REPORT



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**All from class 1P3*

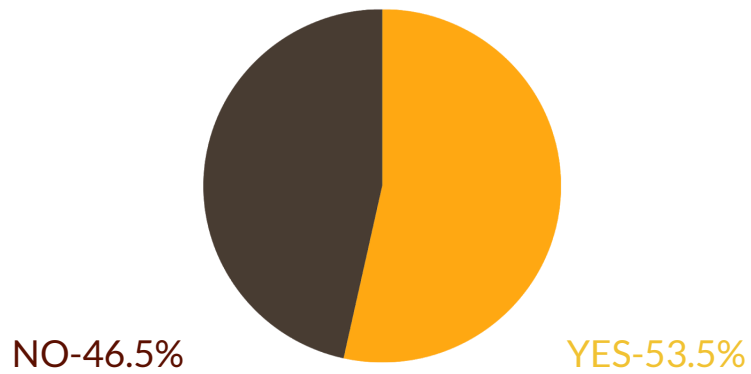
INTRODUCTION/BACKGROUND

As Secondary One students, we faced many problems and difficulties as we tried to adapt to the new environment that we were not familiar with. We ourselves encountered countless problems such as not knowing our way around the school, not knowing the operation hours of the general office to submit paper works and not knowing the operation hours of the bookshop which caused inconveniences when we wanted to purchase stationery. Hence after much brainstorming we came up with the idea to create this website that includes useful information about HCI to help newcomers know more about the school. After giving out a survey to our Secondary One schoolmates, we derived to an answer that **more than half of** the Secondary Ones were once lost in school, which is a problem that most of us faced. Hence, to solve that problem we decided to make a detailed 3D map of the school, helping students, especially the Secondary Ones, to navigate their way around the campus.

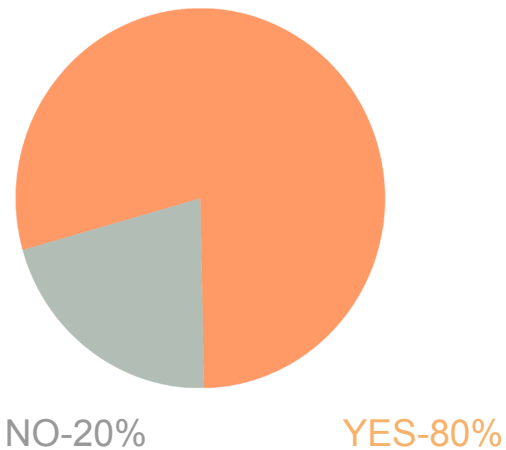
NEEDS ANALYSIS

Survey (As of 53 reponses)

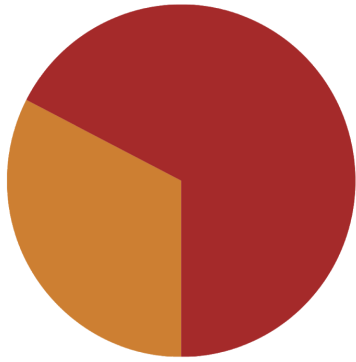
Have you ever gotten lost in school before?



Did you want to know more about the problems faced in secondary 1?



Did you want to find out more about this school even before entering Hwa Chong?



NO-33% YES-67%

LITERATURE REVIEW

The previous projects similar to ours only displayed a simple map of the campus which did not include other information of the school, and the buildings are represented by rectangular boxes which can cause confusion. Besides that, their map was not as convenient to use. For our project, we included relevant information on some of the campus facilities' opening hours. Also, our map is interactive, meaning users can look at the campus from different views. Our map includes 3D models of the campus which makes it easier for the user to navigate.

CHALLENGES FACED/PROBLEMS ENCOUNTERED

1. Map took a long time to collate as we had limited time to make the map using our drone as we had CCA

- commitments and competitions
2. Hard to find operating hours for all venues in school as some were not clearly displayed outside the venue
 3. Security issues: With the making of the school map, there was bound to be security issues. We had to ensure that not just any outsider is able to access the map.

METHOD

1. We will gather information on the school that we think will be useful to students (e.g. opening hours of bookshop, general office)
2. We will create a 3D map of our school using the [Pix4D Mapper App](#) by flying a drone to capture overhead images of the campus
3. We will insert the map into our [Wix](#) website
4. Collate all useful information needed on the school
5. Finalise the website by adding short descriptions about ourselves and the website besides the map and the opening hours of the facilities
6. Final changes to the website by making it look

presentable; ensure font, colours are suitable

RESULTS/PRODUCT

The product is presented as a website, which is comprised of the following components

- The 3D interactive map better helps students and staff to navigate the school campus
- The information on school facilities

With the above components, the website is able to provide students with relevant information to help them adapt to life in school

LIMITATIONS

1. The users are not able to view the interior of the school buildings.
2. If part of the school campus undergoes construction,

the map will have to be redone and it is time-consuming

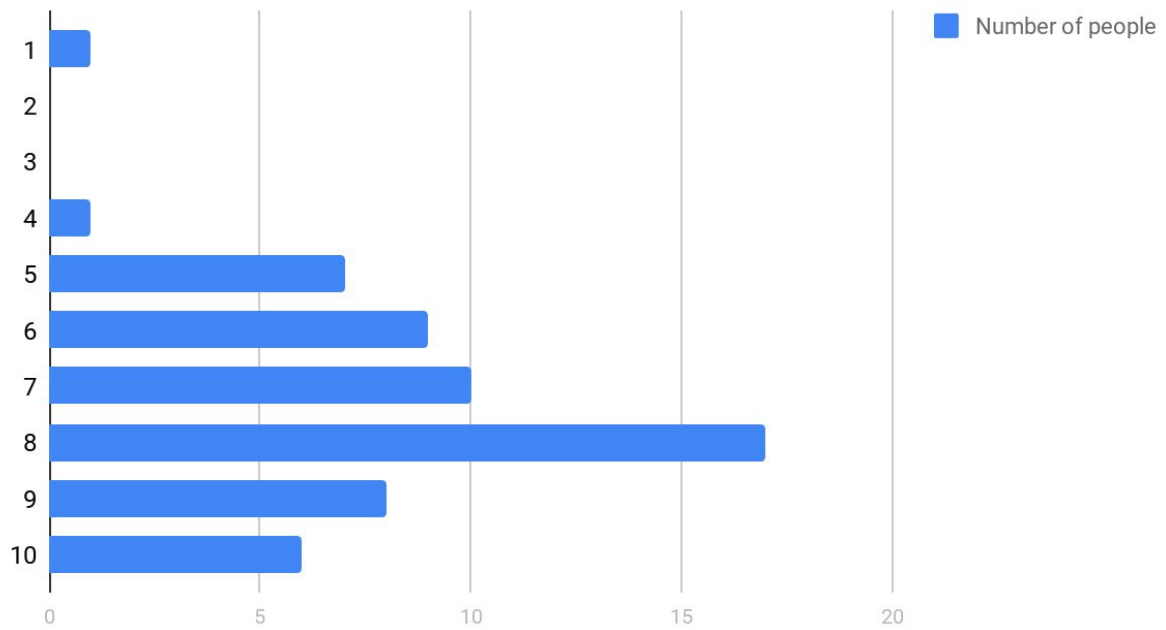
PILOT TESTING

We shared the link of our website with the students of Hwa Chong and asked all of them to feed back their user experience on Google Forms. The questions and results are as follow.

Surveys (as of 59 responses)

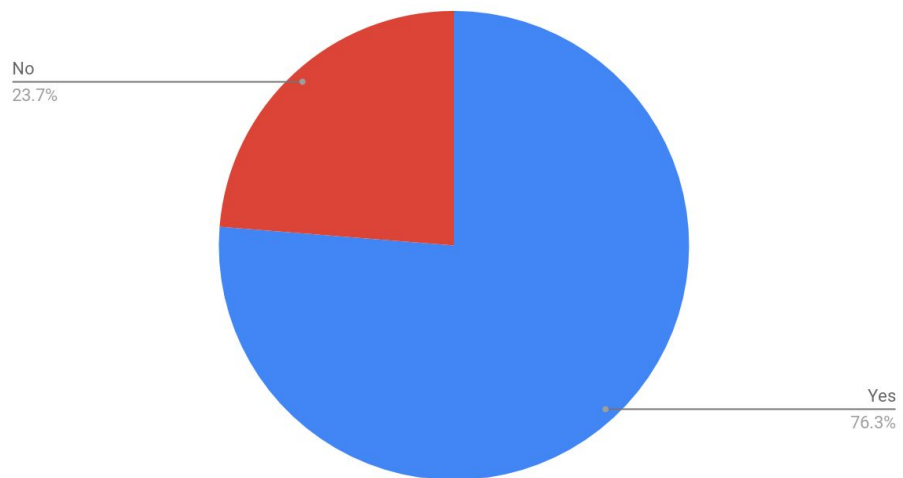
Q1. On a scale of 1 to 10, how beneficial was this website to you?

Scale from 1 to 10



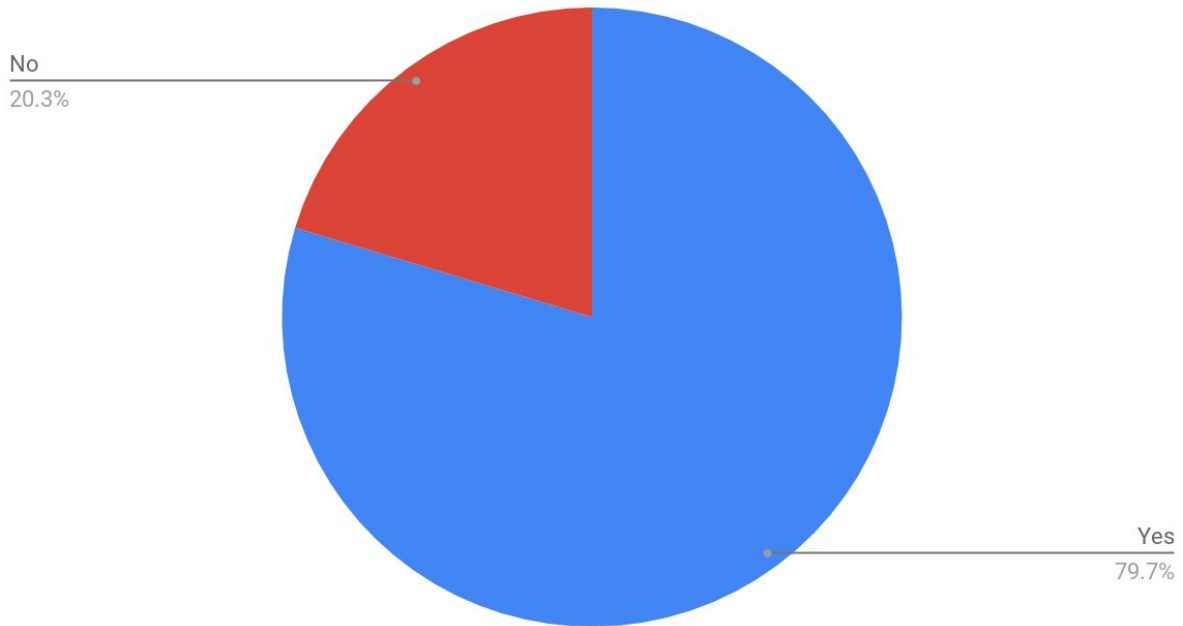
Q2. Was the map in the website useful and easy to use?

Responses



Q3. Was the information in the website helpful?

Responses



Other problems suggested by users

Some opening hours was not accurate

The map was not accurate enough to show the interior

The map did not include some info

The map does not show the facilities inside the school

CONCLUSION

By creating this website, we hope that anyone who uses our resource can find it easier for to find their way around school and provide them with useful information that would make their lives in school much more convenient. The relevant information in the website will be able to hopefully help them overcome any struggles they face, just like our first year in school. More importantly the process of creating the website taught us meaningful lessons such as time management and the distribution of work. In addition to that we also learnt to cooperate with each other and take in each other's opinion despite your own views. Overall the project taught us lots of skills that we might need in the future, which is beneficial for us as we will not need as much time to learn in the future.

REFERENCES (APA Format)

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