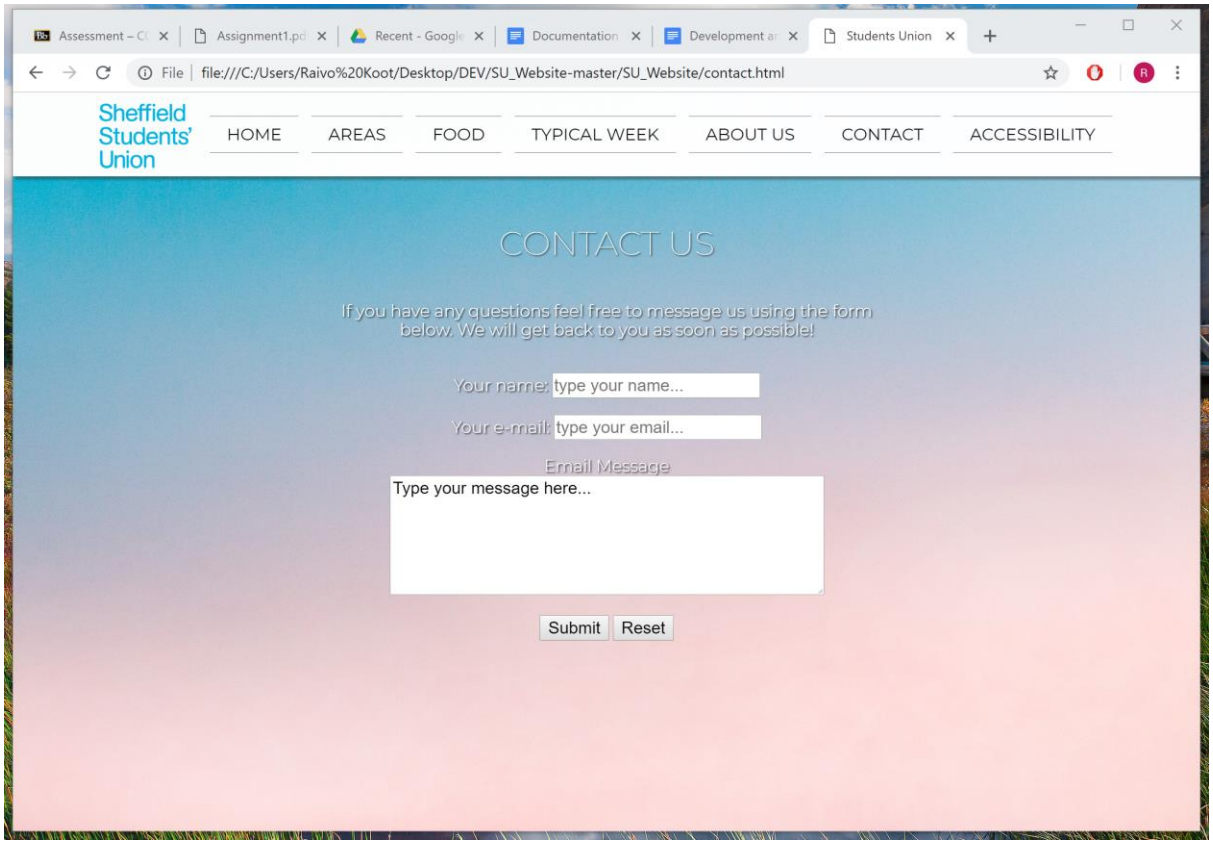
Development and Testing

Because reset.css removes to much of the starting borders we felt, we started off development with a normalised style sheet so that the resulting website would look the same on all browsers. We used a divide and conquer strategy on making the website. Raivo started off with designing the top menu system and hamburger menu, while Will designed the tile system to hold content within the website itself. The top menu system was simple to create as that was in the <header> element, but as soon as the hamburger menu was added, it disturbed everything. Not only was the hamburger menu hard to create, but hard to implement.

The tile system posed several issues. Flexboxes and flex were very tricky to set up properly as the alignment was crucial. And for different sized viewports, font size and display layout would have to change. This was achieved with different @media queries which would alter flex columns to rows and change font sizes. Furthermore, we ran into problems with the content of our tiles overrunning the height of our tiles at the bottom.
As for colors, we started out with a simple white and blue color scheme as shown in the image below.



Soon enough though, we realised this color scheme was causing difficulties to read text and it lacked personality as nothing ever stuck out very strong to keep clear divides. As a result, we changed our scheme accordingly to something more punchy.

Media were limited to two different sizes to make development simpler. The background image has a width of 1920px in the file size as the largest common screen size is 1920x1080, so going larger than this would mean unnecessary data. The images for tiles all

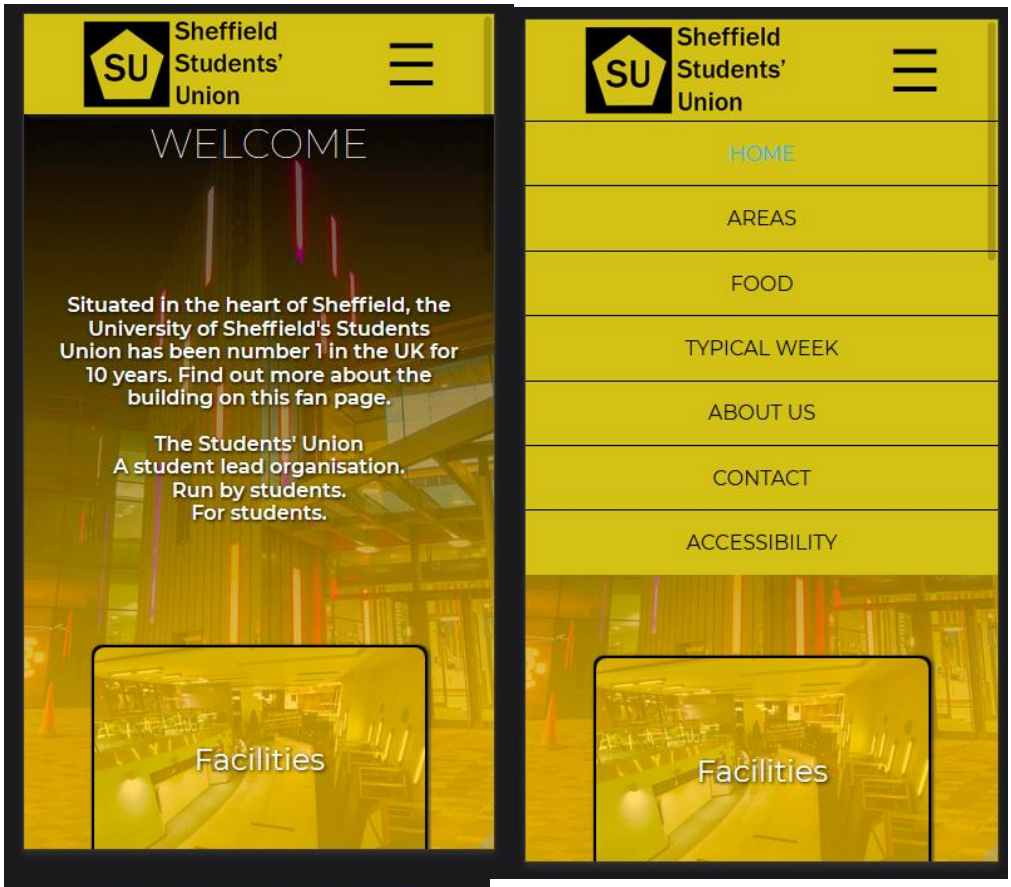
have a width of 800px across, as this adequate for all screen sizes while not being ridiculously big. If i had kept all the photos the size Will's camera records at (5184 by 3456px), the loading times would've been painfully slow. I also set the export quality to a medium value to decrease file size by increasing compression rate.

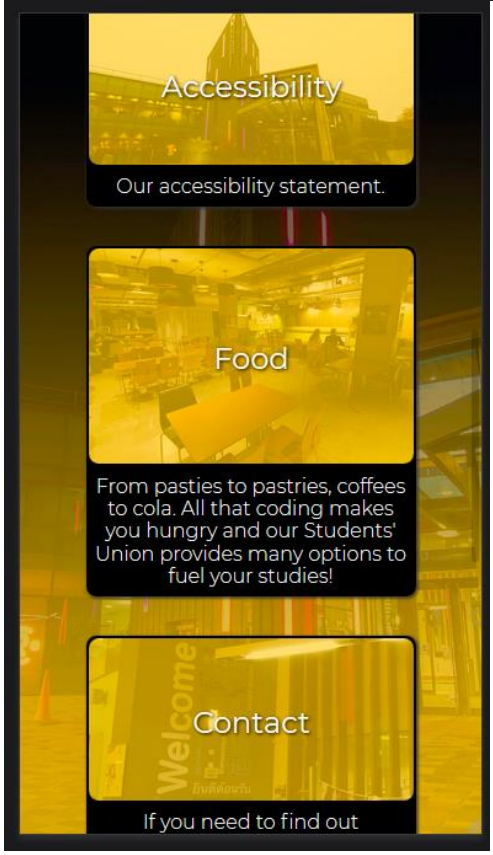
On a side note, the css file areas.css serves as a base css file for most of our pages.

Testing

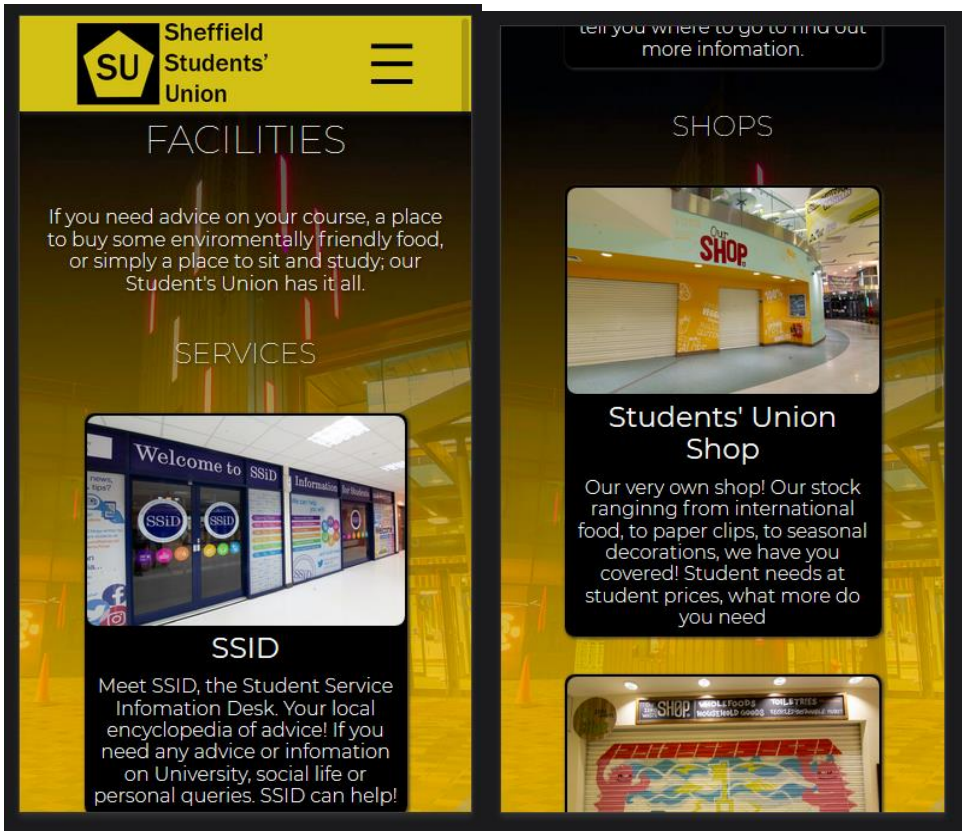
We designed the website around 3 different widths of view ports: Large desktop, thin desktop and mobile. We chose to design the websites for a 1080p 24 inch screen on full screen (large desktop), a 1080p screen on half width (narrow desktop) and all types of mobile size presets in mozilla firefox's development tools (mobile). At some rather deep into development we ran into problems with screen sizes: One of the screens we were developing on is a 14 inch 3000x2000 screen. Everything worked well on it until we opened the site on a normal 16:9 monitor again where content was suddenly overflowing and not lining up correctly. Fortunately, We corrected our problems soon enough.

The following are screenshots of the index page on all viewport sizes.
Index splash page, mobile:

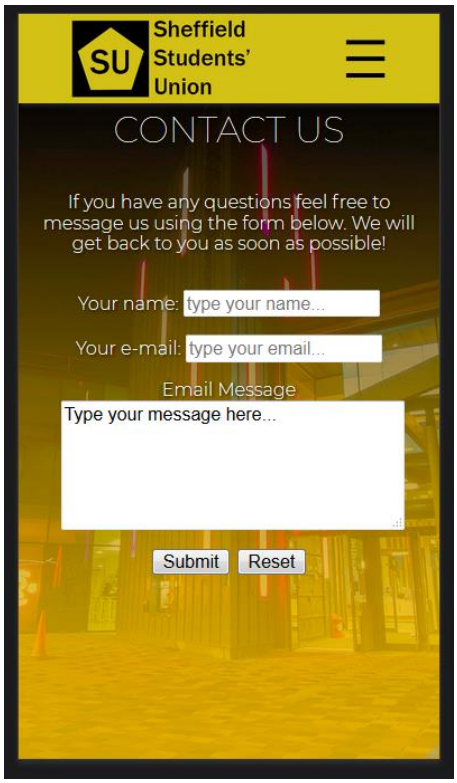

Sheffield Students' Union
WELCOME
Situated in the heart of Sheffield, the University of Sheffield's Students Union has been number 1 in the UK for 10 years. Find out more about the building on this fan page.
The Students' Union
A student lead organisation.
Run by students.
For students.
Facilities
Sheffield Students' Union
HOME
AREAS
FOOD
TYPICAL WEEK
ABOUT US
CONTACT
ACCESSIBILITY
Facilities


Accessibility
Our accessibility statement.
Food
From pasties to pastries, coffees to cola. All that coding makes you hungry and our Students' Union provides many options to fuel your studies!
Contact
If you need to find out

Facilities page, mobile:

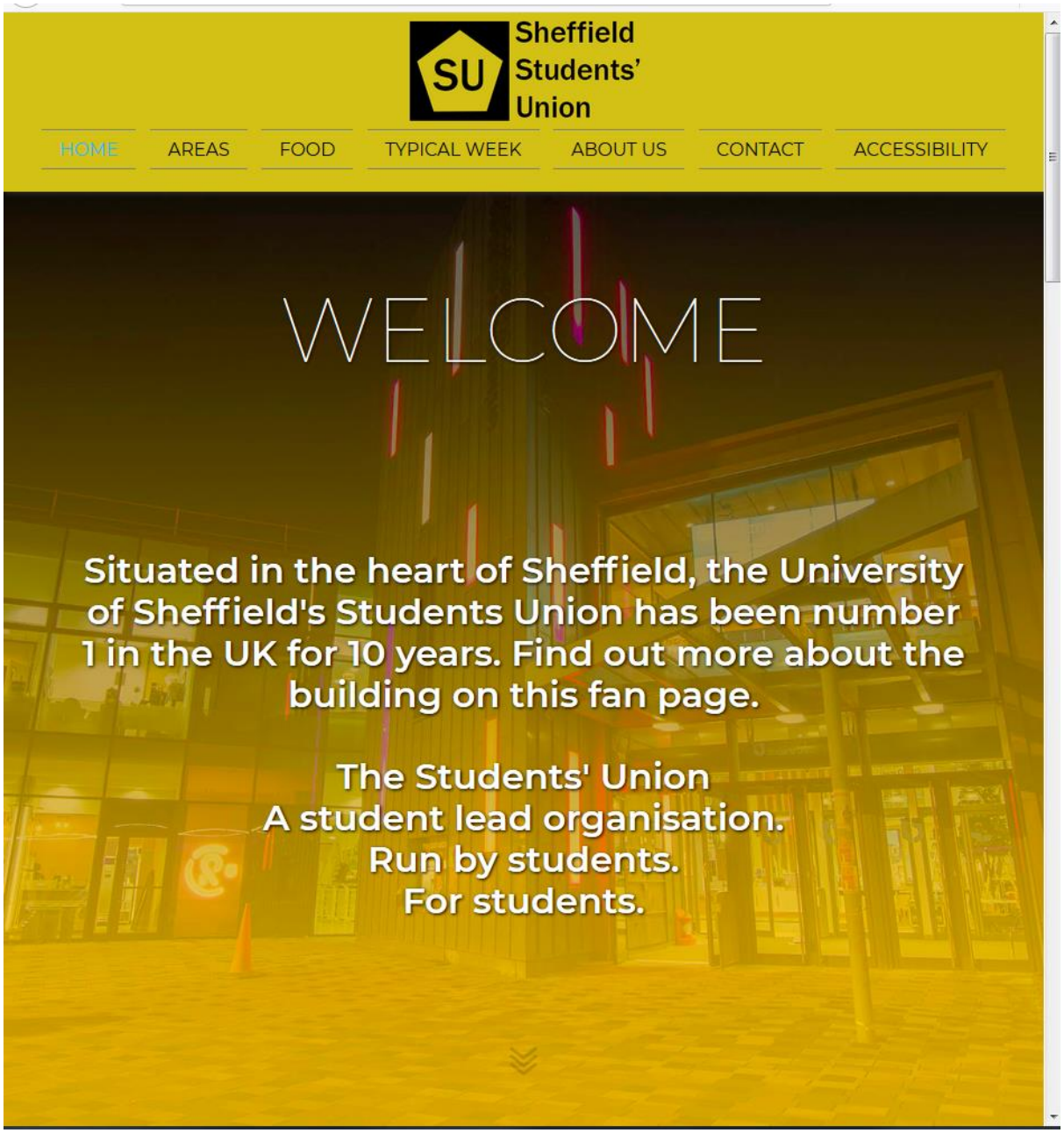


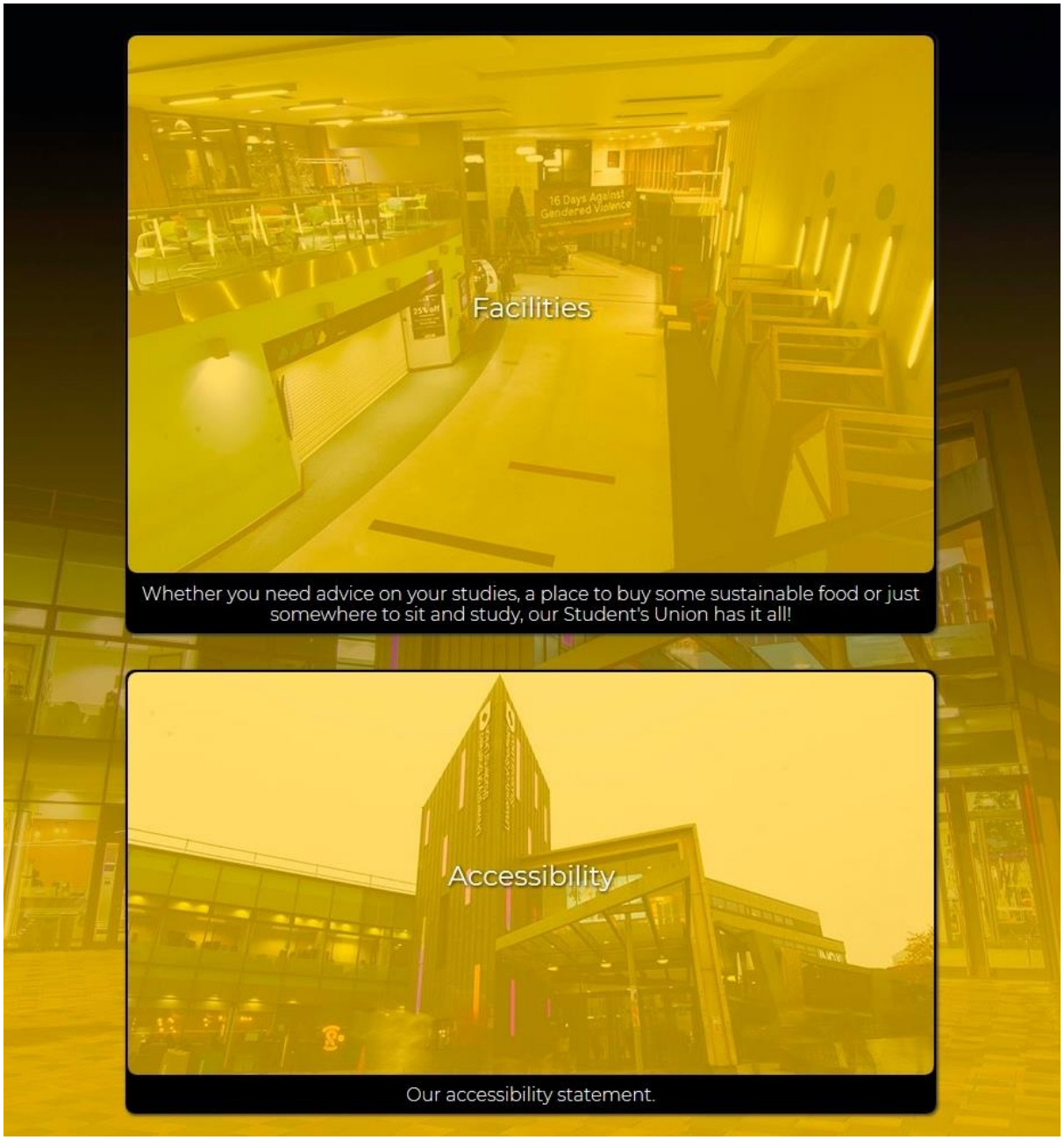
Contact page, mobile:



As we used mobile first design, the website on mobile all works well.

Thin desktop




Facilities
Whether you need advice on your studies, a place to buy some sustainable food or just somewhere to sit and study, our Student's Union has it all!
Accessibility
Our accessibility statement.

Sheffield Students' Union

HOME AREAS FOOD TYPICAL WEEK ABOUT US CONTACT ACCESSIBILITY

FACILITIES

If you need advice on your course, a place to buy some enviromentally friendly food, or simply a place to sit and study; our Student's Union has it all.

SERVICES

SSID

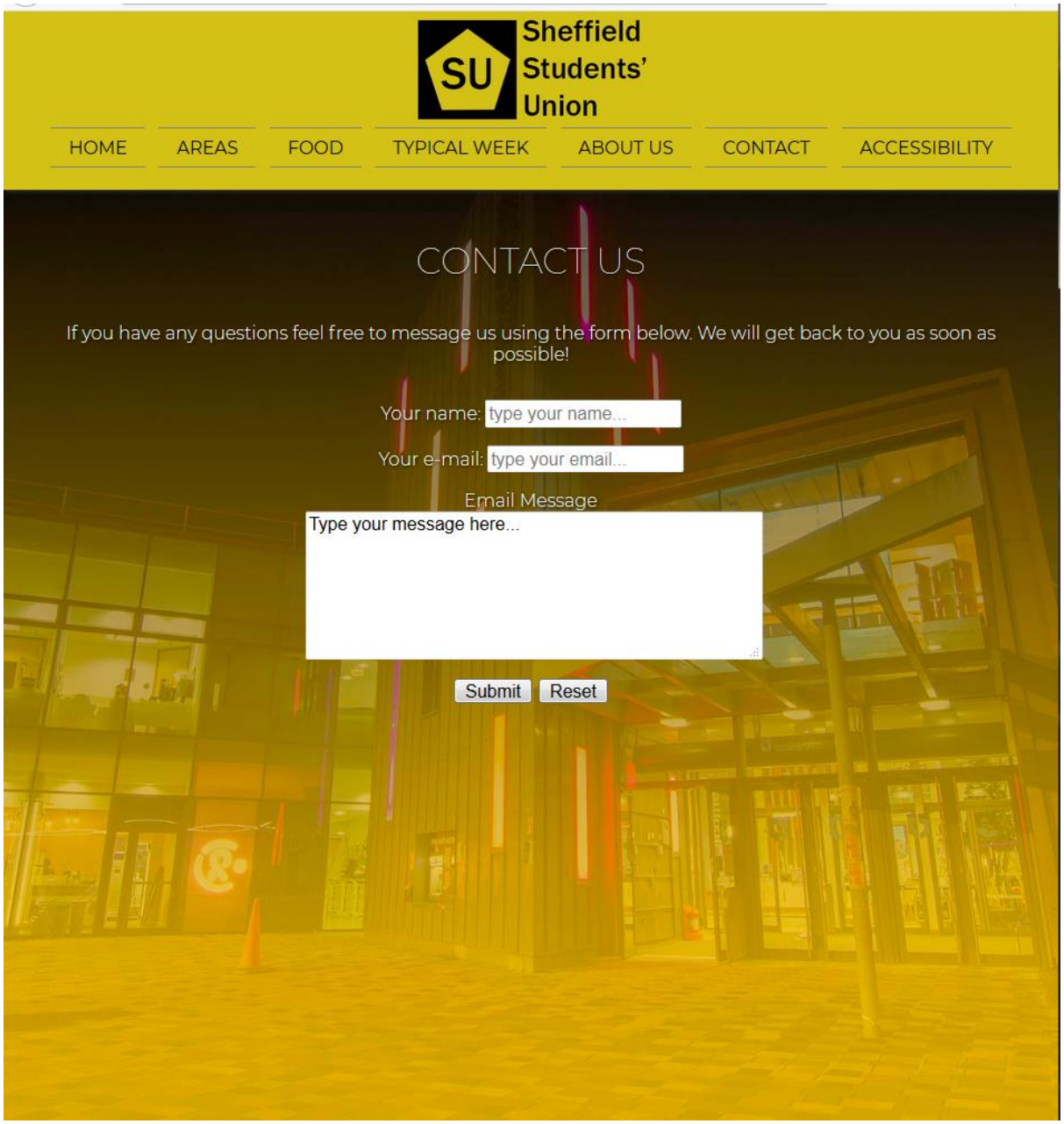
Meet SSID, the Student Service Infomation Desk. Your local encyclopedia of advice! If you need any advice or infomation on University, social life or personal queries. SSID can help!

For that extra bit of cash, why not enquire in our job shop? They can give you advice and access to jobs inside and outside the university. With experienced, knowledgable staff and A vast array of resources, the Job Shop will find you a job which you'll love.

Front Desk

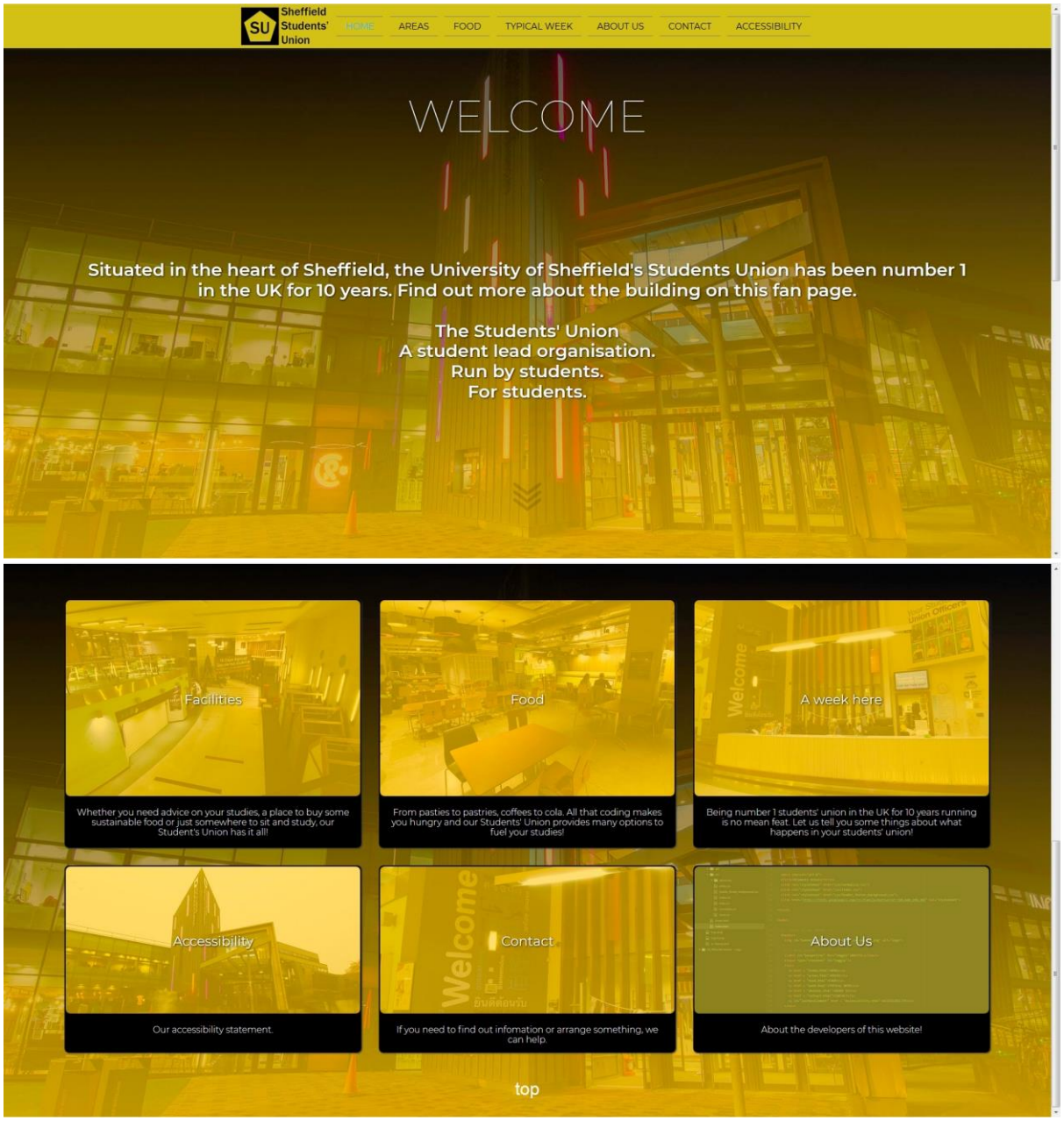
Quite literally the face of the Students' Union. Our representative will always be happy to help, give advice and tell you where to go to find out more infomation.

SHOPS



The tiles appear quite large on half sized screen for our thin desktop size. But when you had two rows side by side it felt cramped.

Large desktop: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WELCOME
Situated in the heart of Sheffield, the University of Sheffield's Students Union has been number 1 in the UK for 10 years. Find out more about the building on this fan page.
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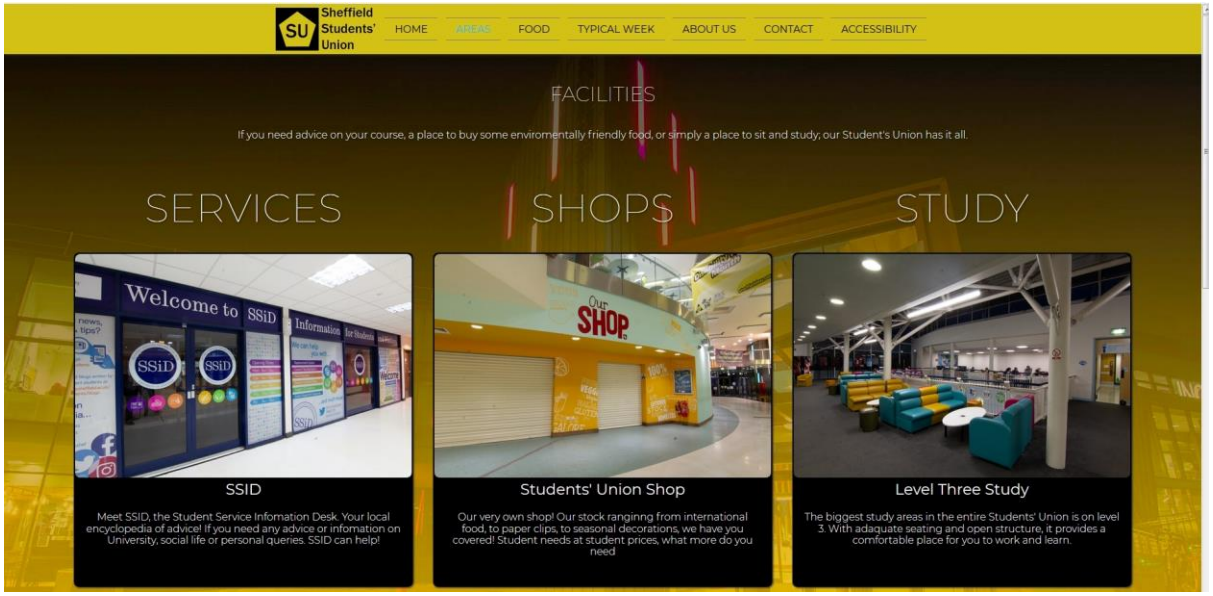
Whether you need advice on your studies, a place to buy some sustainable food or just somewhere to sit and study, our Student's Union has it all!
Food
From pasties to pastries, coffees to cola. All that coding makes you hungry and our Students' Union provides many options to fuel your studies!
A week here
Being number 1 students' union in the UK for 10 years running is no mean feat. Let us tell you some things about what happens in your students' union!
Accessibility
Our accessibility statement.
Contact
If you need to find out infomation or arrange something, we can help.
About Us
About the developers of this website!
top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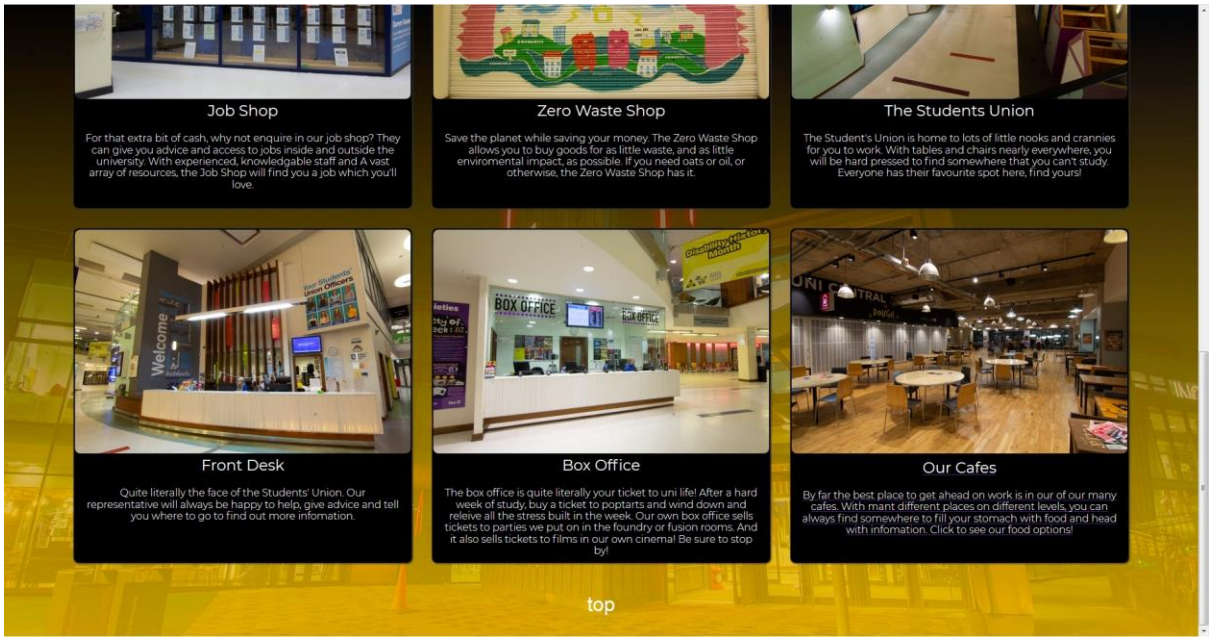
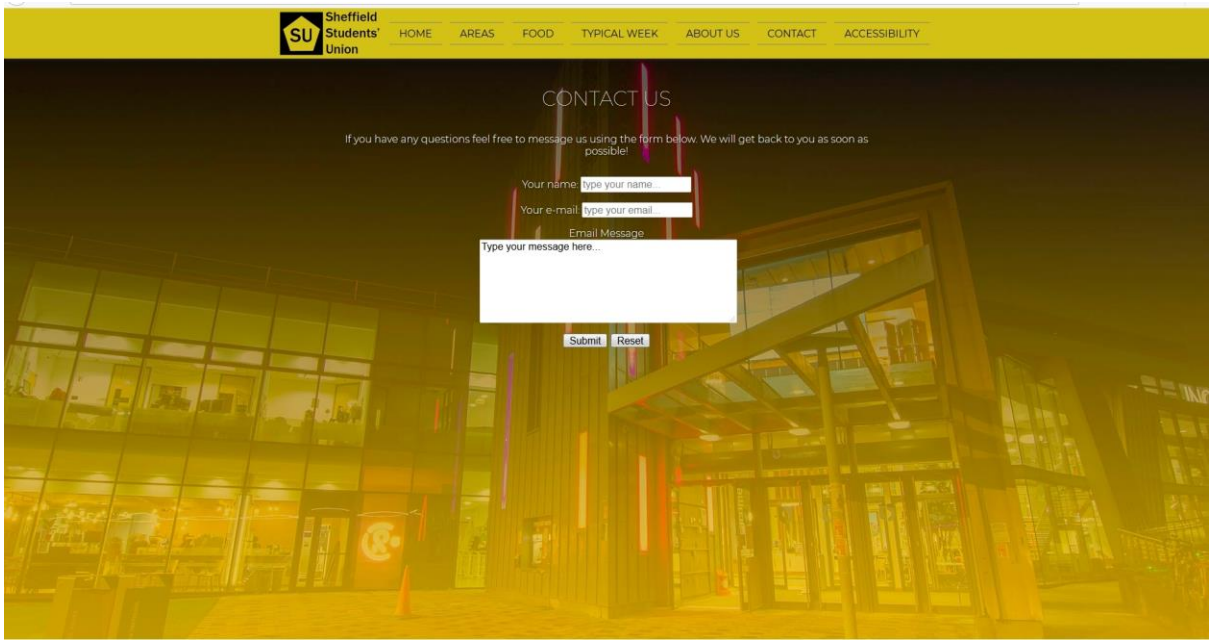
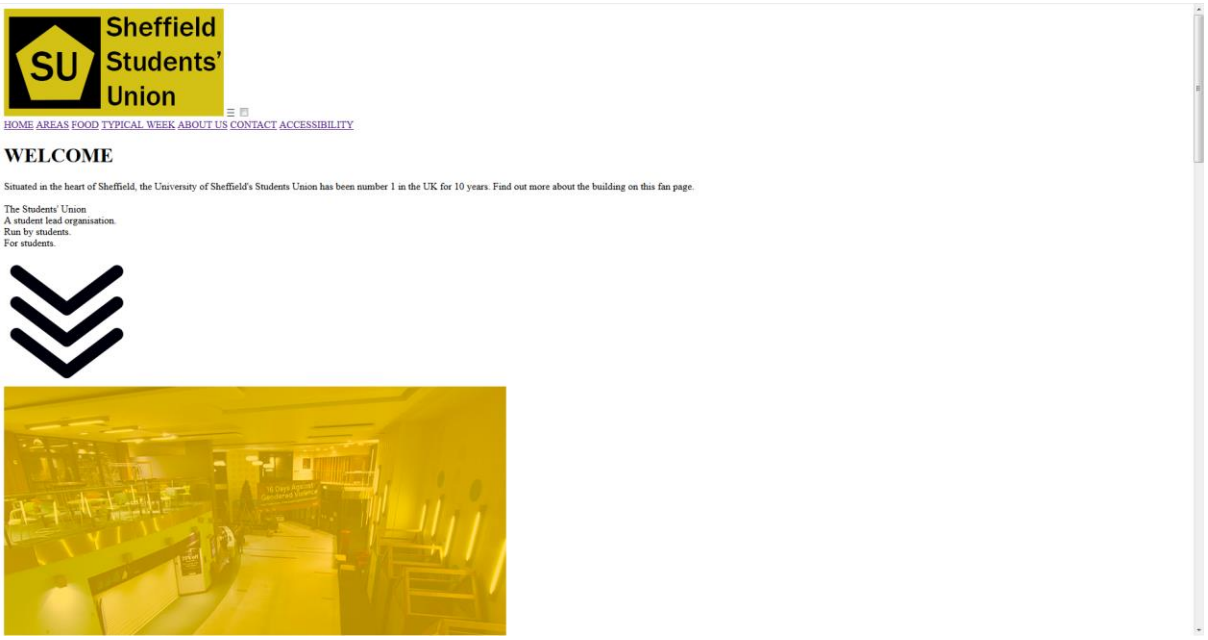
If you need advice on your course, a place to buy some enviromentally friendly food, or simply a place to sit and study; our Student's Union has it all.
SERVICES
SHOPS
STUDY
Welcome to SSiD
Information
SSiD
Our SHOP
SSID
Meet SSID, the Student Service Infomation Desk. Your local encyclopedia of advice! If you need any advice or infomation on University, social life or personal queries. SSID can help!
Students' Union Shop
Our very own shop! Our stock ranginng from international food, to paper clips, to seasonal decorations, we have you covered! Student needs at student prices, what more do you need
Level Three Study
The biggest study areas in the entire Students' Union is on level 3. With adaquate seating and open structure, it provides a comfortable place for you to work and learn.

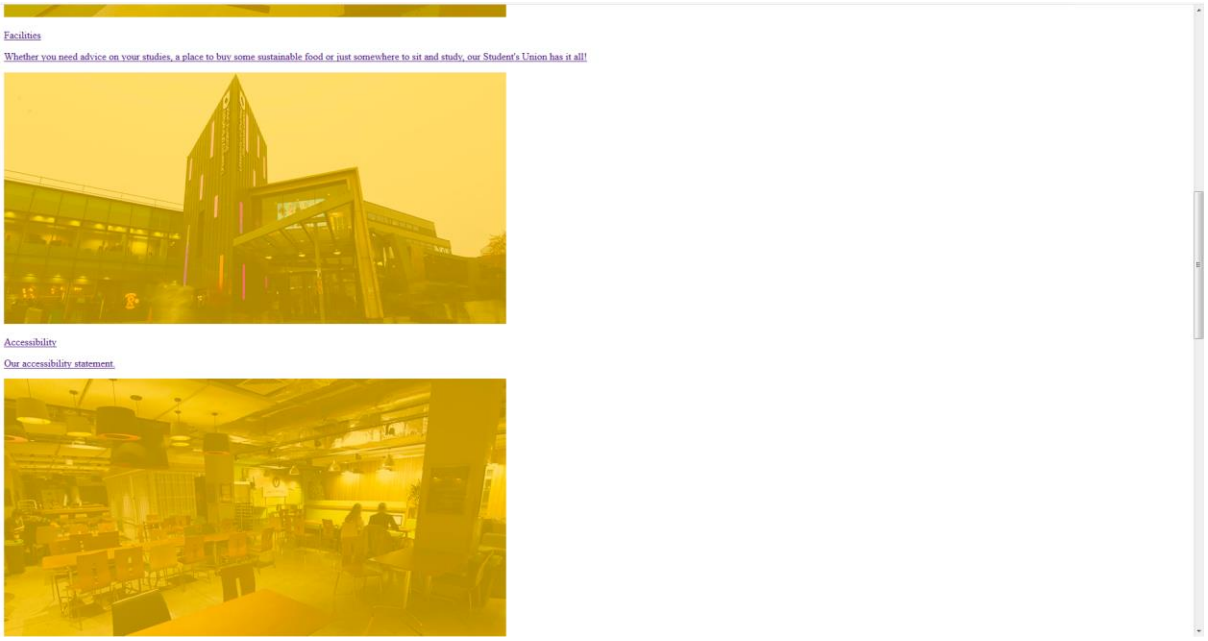

Job Shop
For that extra bit of cash, why not enquire in our job shop? They can give you advice and access to jobs inside and outside the university. With experienced, knowledgable staff and A vast array of resources, the Job Shop will find you a job which you'll love.
Zero Waste Shop
Save the planet while saving your money. The Zero Waste Shop allows you to buy goods for as little waste, and as little enviromental impact, as possible. If you need oats or oil, or otherwise, the Zero Waste Shop has it.
The Students Union
The Student's Union is home to lots of little nooks and crannies for you to work. With tables and chairs nearly everywhere, you will be hard pressed to find somewhere that you can't study. Everyone has their favourite spot here, find yours!
Welcome
Front Desk
Quite literally the face of the Students' Union. Our representative will always be happy to help, give advice and tell you where to go to find out more infomation.
BOX OFFICE
Box Office
The box office is quite literally your ticket to uni life! After a hard week of study, buy a ticket to poptarts and wind down and releive all the stress built in the week. Our own box office sells tickets to parties we put on in the foundry or fusion rooms. And it also sells tickets to films in our own cinema! Be sure to stop by!
Our Cafes
By far the best place to get ahead on work is in our of our many cafes. With mant different places on different levels, you can always find somewhere to fill your stomach with food and head with infomation. Click to see our food options!
top



The layout was quite easy to translate from mobile to thin desktop and then to large desktop as our economic use of containers and flexboxes allowed us to simply change the flex-direction of our containers to create the desktop version. When we were planning our design we agreed on making our layout with flexbox so it would be easy to rearrange a page into different sizes.
These screenshots are all from Firefox, but the website looks the same on Chrome and Edge as we used a normalize style sheet.
One issue testing showed is that our website has no footer, but this is an easy fix.

Disabling the stylesheets:





While it does not look that pleasing, it still maintains its logical structure and reads from top to bottom.