Happycentro

Internal Documentation – Anam Khan

Project Planning

Project Main plan. 3 weeks split into even amounts of research and design, with time given for coding and finalisation of documentation towards the end. Giving us ample time if followed correctly to implement all features and have time to look over in the end.
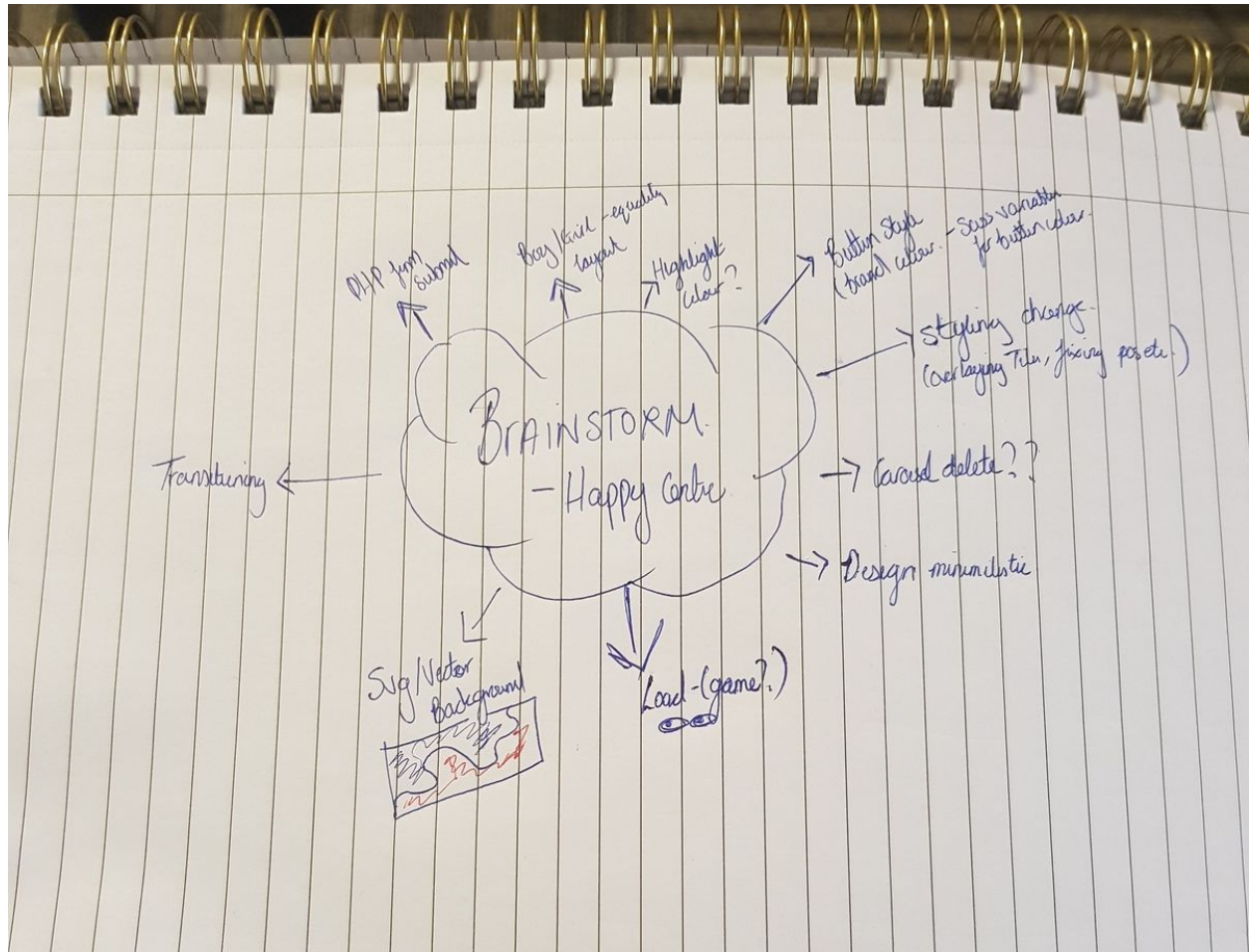
Brainstorming became essential in the early processes as it assisted us with putting all our ideas in one place and helped with structuring things and what we found to be of most importance. This lead to helping us with the design and key things we need to include in our project.
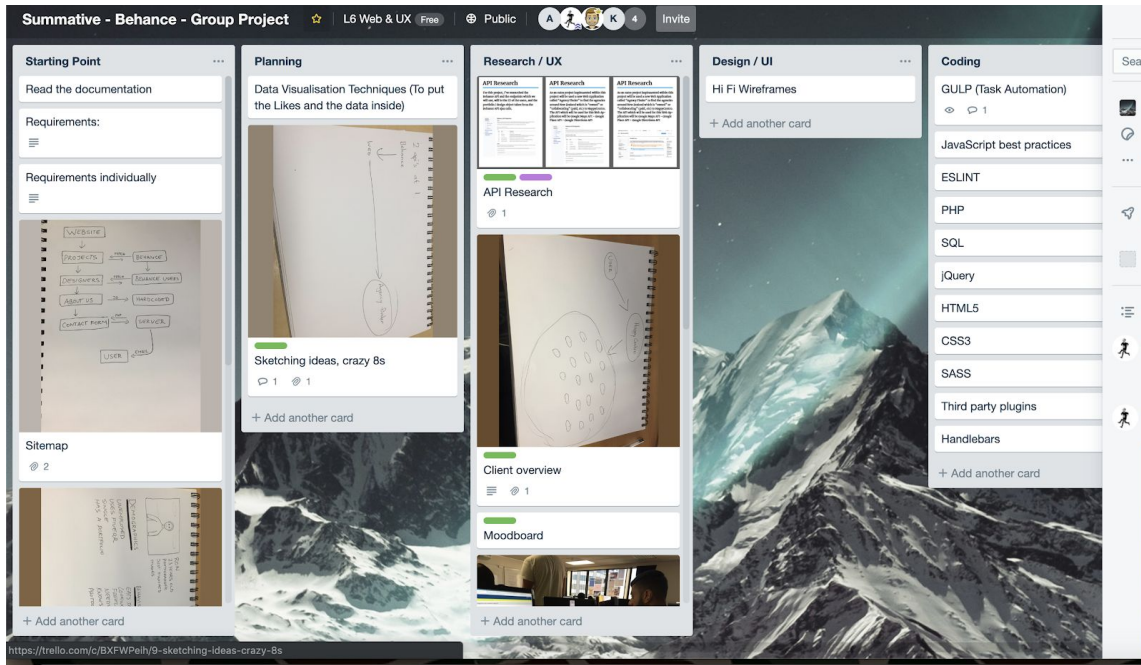
We used Trello to help arrange our ideas and to distribute the work. Also using it to track where each one of us were and it helped us to easily understand where we were sitting in terms of work to do, what has been completed etc.

We used to boards, one for our daily meetings and the other for our project work. Our meetings were recorded and daily so that we could discuss any issues and assign work for the day along with the trello board. Our meeting minutes helped show what we had planned on doing the day before and what was completed, before starting new tasks.

Meeting Minutes

Meeting Minutes

02/04/19 - start 9:46am - 9.58am

- Requirements to do . Selected 3 at a time.
- Assign a task of UML diagram to Anam, Erind will run user testing on wireframe (site map, usability testing etc)

Tuesday 02/04/2019

📎 1

03/04/19 - start 9:41am - 10:22 am

- Anam completed UML diagrams and updated his planning to trello
- Erind completed user testing on initial wireframe

- Complete internal doc (both Erind and Anam)
- Research old documentation to assist
- Anam Sketch lo-fi Wireframe and add his lean personas
- usability testing proof
- Target Audiences
- Competitor research
- Business needs (proposal) and separate
- SWOT analysis
- Client and project overview
- Project constraints and planning
- User Flow and API research (proof)
- Brainstorming
- Ideas flow

Wednesday 03/04/2019

≡ 📎 1

04/03/19 start 9:23am - 10:01am

- Anam completed more sections from internal documention
- Erind has also worked on internal documentation

- Discuss relevant sections form rubic and see if requirements etc have been met (1)
- Discuss ideas with class mates for documentation to see if we can expand our ideas
- API research for GitHub Jobs.
- Tools and framework that we could use (research)
- Setup git repository
- Speak with karl about AF.

Thursday 04/04/2019

📎 1

05/04/19 start 10:15am - 10:43am

- Completed wireframe (lo-fi)
- Complete user testing

- Start hi-fi wireframe

Client Overview and Information

Our client are a design firm called HappyCentro. They are one of the leading design studios in New Zealand, and have had multiple talented designers work with them and for them to create the best solutions.

They are a large firm that also create design and solutions for many of the top businesses within New Zealand. They have their own brand colour, themes and designs that they would like to showcase along with their brilliant designers that are the cogs behind the scenes.

Project Constraints

The project at hand has a few minor constraints that we must address. Since we have more than just the coding to do, time is a major constraint. Being an assignment for university, we are limited to the constraints that we must follow from Yoobee and lastly, funding for this project is not available. For anything that could make this a more polished piece requires money to be spent.

Project Scenario

HappyCentro has given us a task of creating an app to show off the work of their designers. This work will be hosted on Behance so the app must consume data from the Behance API.

Business' Needs

HappyCentro wants a single page application (SPA) which integrates nicely into their existing site and use the existing header section with main navigation (so it is not necessary to build this).

Using the Behance API, the app should allow the user to:

- view a list of designers
- view a designer's details
- view a designer's list of projects
- view a project's details
- visualise the overall statistics of a designer's projects, including the number of views, appreciations, and comments

SWOT Analysis

Identifying the strengths, weaknesses, opportunities and threats to HappyCentro were important to get the business the correct details and help required. We did some research as a pair and gathered the following information for the firm.

Strengths
- Strong market influence
- Unique colouring and styling
- Pioneer of design in New Zealand
- Public awareness is high
- Experienced and respected among fellow designers
- Influential

Weaknesses
- Established some time ago and therefore slower on the newer updates
- Prefer classical design to newer designs
- Seniors tend to not be open to the current trends
- Are leaders, but lack of innovation might see them drop back

Opportunities
- Chance to start a new trend starting from showcasing our designers and talent
- Big following base means easier to attract people to current and future designs
- Learning of old trends to mash with the new to design something more unique

Threats
- Competitors are not lacking behind and using every opportunity to catch up

- Changing technology is harder for the seniors to maintain and keep up with
- Lackluster and living of prior glory

Lean Persona and Target Audience

After analysing the businesses situation and what they are asking, it made us narrow it down into the needs of the business and who best to channel this to.

The business wanted to showcase the designers and their works to the potential clients and customers that would engage with HappyCentro.

The lean personas that were created based on the needs and who we feel would benefit from the design that we are making. Narrowing our research to just two different ages of people to give us our target audience and meet the requirements that were given.

The younger designer, who is aspiring and would like to see inspiration for designs. They are the ones who understand the moving technology and are the core of design world. Catering to them would be catering to the largest audiences making the product more appealing to them.

The other audience we want to focus on are the older, more fundamentally sound and not too keen on changing technologies. They are normally the ones that are the owners of design agencies, and aren't typically involved in the core designing. They are there to grow the business and usually do not have time to go to different places to see designers. Catering to them is essential as they are the ones who want to see all information in one place without having to scour other external resources.

UML And User Flow Diagrams

After addressing the business' needs and doing the relevant research and planning (section one) we were able to narrow down how a regular user might interact with our website. Including the main steps that they would navigate back and to from to give us a rough understanding of the page.
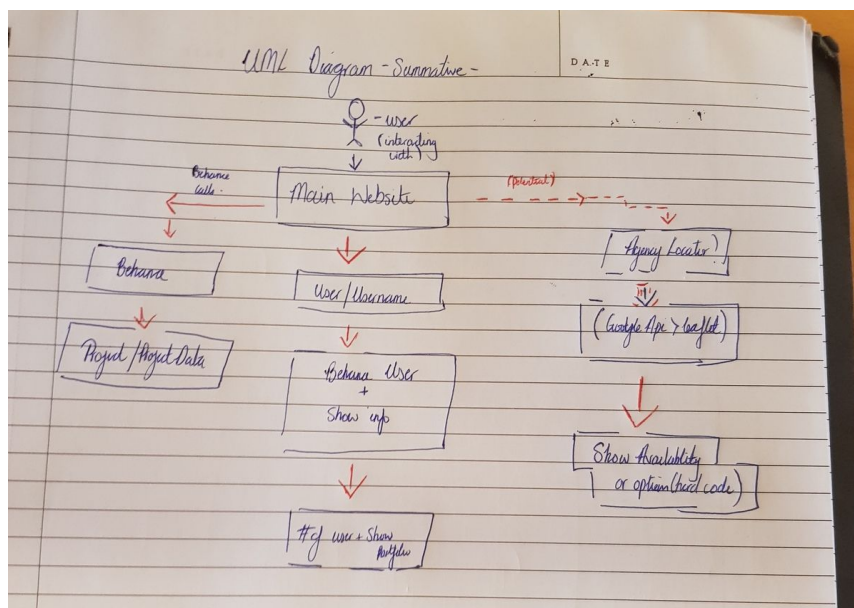
Our diagrams gave us a better understanding and allowed for us to create the initial prototype and wireframes.

Low-Fi Prototype and Testing
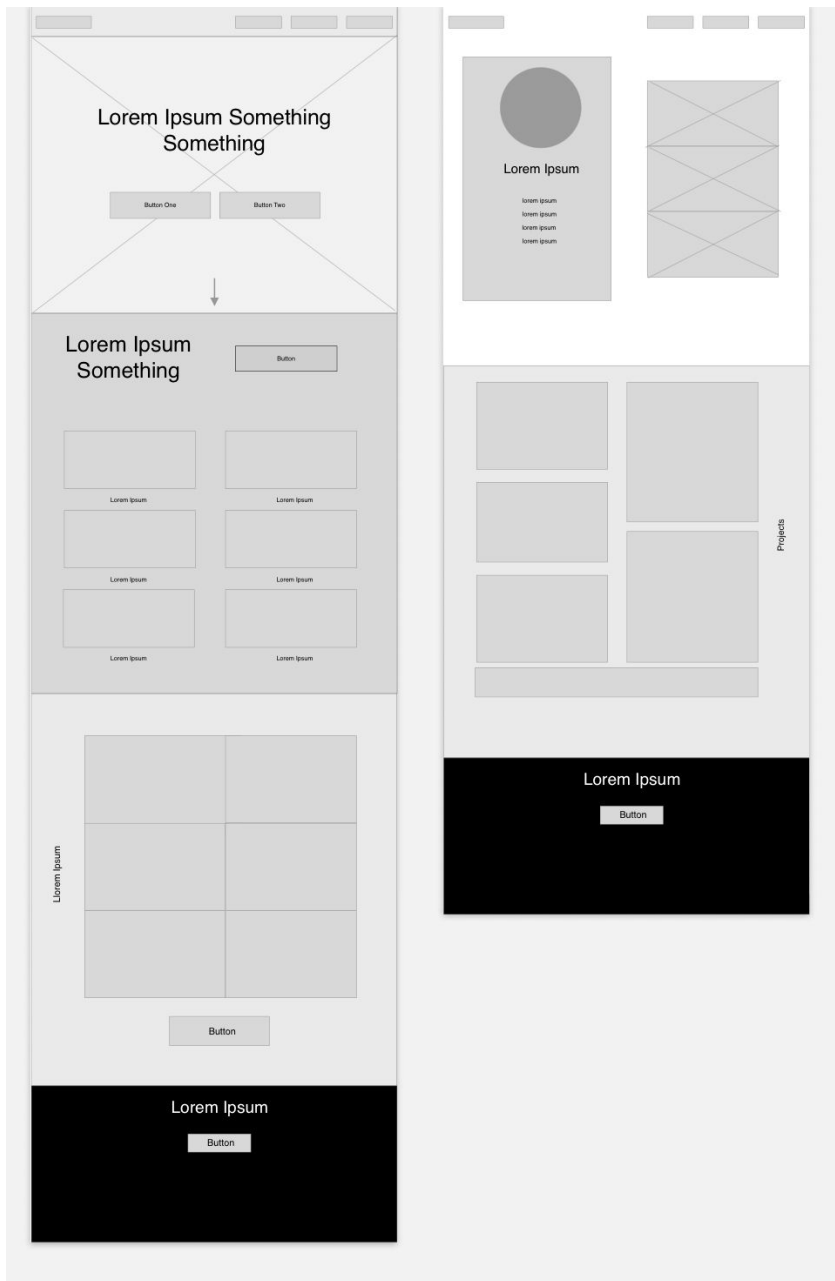
Comparing the information and the research that was conducted. We decided to use a simple website flow that was already quite similar to the current website, but with a little more creativity.

At one of our agile meetings, we put together our low-fi wireframes to select the best screens that we were going to use, and then do A B testing with users to assist us before we create the final.
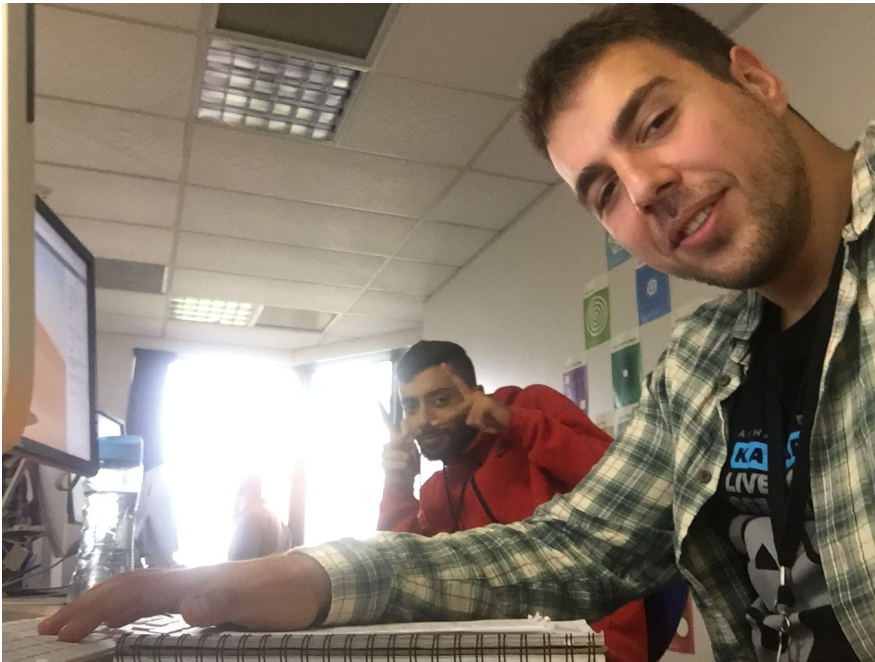
(Image was taken moments after we settled on a set idea to build on in one of our meetings). We settled on a design and further tested by drawing our designs on to a mobile to do some testing
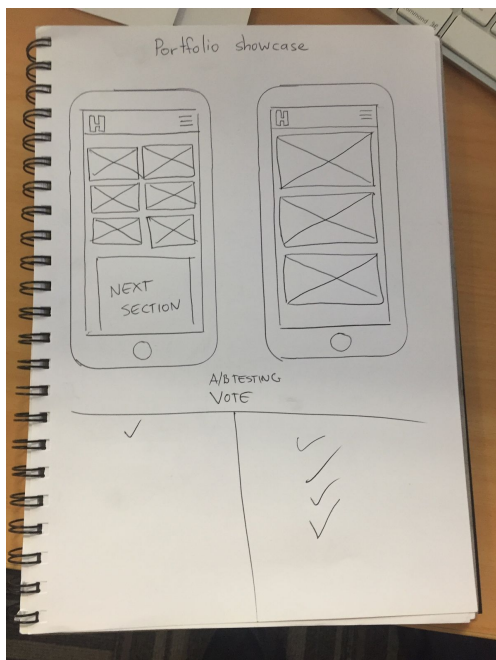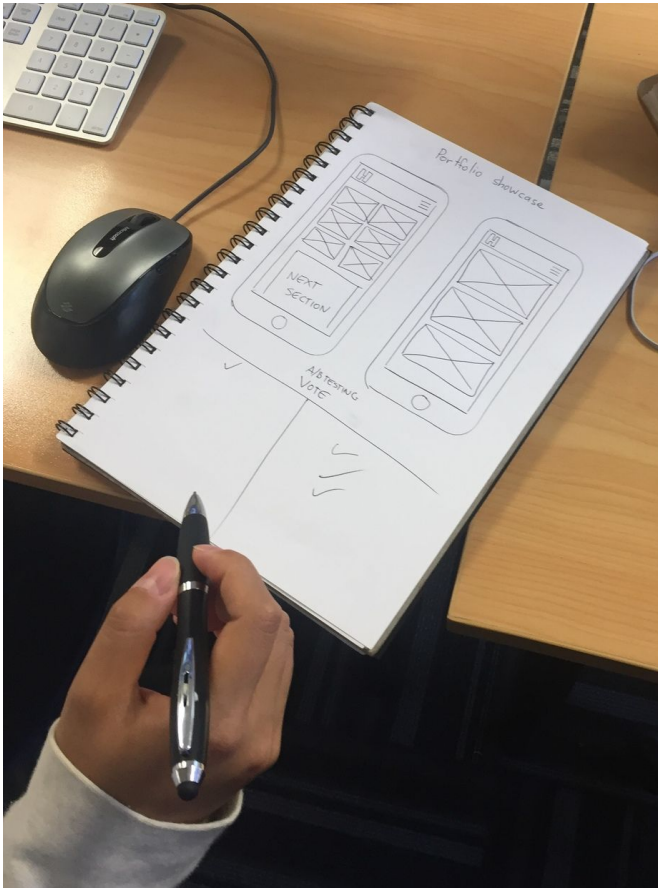
Conducting AB testing, allowed us to narrow our choices and have them in relation to the actual needs of the business. At each moment that we designed, we kept in mind the main information that the business wanted to have visible.

API Research

As we were asked to use Behance to gather the information, we did some research into the API. To assist us with setting up endpoints and the keys and any documentation that would aid us to providing a polished product

Libraries and Framework

At our next meeting we selected the libraries and frameworks that would be ideal to assist us with this project. The ones we chose were there to make our tasks easier and provide the users with the best experiences.

We selected and used the following :
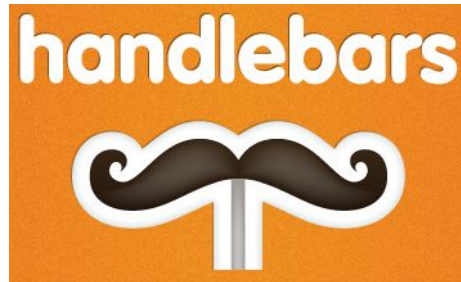
HTML, CSS and Javascript were the main frameworks we identified were to be used at all times. However, with the size of the files, we also decided to include SASS, Handlebars and jQuery.

Sass was used to nest and add variable colours to our document to reference them at each stage. Further, we used them to split some items into partials. Easier for us to identify and call upon for changes.

```scss
 9  */
10  $mainColor: ■#219dca;
11  $mainColorTransparent: ■rgba(1, 172, 236, 0.7);
12  @import url('https://fonts.googleapis.com/css?family=Titillium+Web:400,600,700');
13  .img-profile {
14      width:100%;
15  }
16  .loader {
17      display:flex;
18      position:fixed;
19      height:100vh;
20      width:100vw;
21      background-color:□white;
22      justify-content:center;
23      align-items:center;
24      img {
25          width:250px;
26      }
27  }
```


Handlebars we used to decrease the size of our JS files by rendering the repetitions using Handlebars.

```html
<script id="projects" type="text/x-handlebars-template">
  {{#each projects}}
  <div class="col-lg-6 p-0 project-card" data-nr={{@index}}>
  <a href="project.html?project={{@index}}">
    <div class="overlay-project" id={{id}}>
        <h2 style="text-align:center; width:90%; margin:5px auto;">{{name
        <h3>{{stats.appreciations}} impressions</h3>
        <p>{{stats.comments}} comments</p>
        <p>{{stats.views}} views</p>
    </div>
    <img class="project-image" src="{{covers.[original]}}" alt="">
  </a>
  </div>
  {{/each}}
/script>

<!-- DESIGNERS -->
<script id="designers" type="text/x-handlebars-template">
  {{#each people}}
  <div class="col-lg-4 p-0 designer-card" data-nr={{@index}}>
    <a href="designer.html?id={{@index}}">
```

The rest of the project we used the regular HTML and JS, along with jQuery as we knew this would get the job done properly and thoroughly.

MERGE CHANGES 2

`<>` index.html 1, C

`#` main.css.map css C

STAGED CHANGES 14

∅ .DS_Store M

`<>` designer.html M

`<>` project.html M

`#` main.css css M

§ main.scss css ⤴ — M

§ _footer.scss css/scss_partials A

§ ~~_projects.scss~~ css/scss_partials D

§ _transitions.scss css/scss_partials A

🖼 branding.png img A

🖼 code.jpg img A

🖼 code.png img A

🖼 design.png img A

```
wS = $(this).scrollTop();
if (wS > (contactForm+contactForm2-wH)) {
  $(".rotate-h1").hide(200);
  $(".rotate-h1").css('transform','rotate(90deg)');
}
else if (wS > (divSecond+divSecond2-wH)){
    $(".rotate-h1").show();
    $(".h1-hc").text('Designers');
    $(".rotate-h1").css('left','-10px');
    $(".rotate-h1").css('transform','rotate(270deg)');
    console.log('H1 on the view!');
  // ELSE IF WINDOW SCROLL IS BIGGER
  } else if(wS > (hT+hH-wH)) {
    $(".rotate-h1").show();
    $(".rotate-h1").css('transform','rotate(-90deg)');
    $(".rotate-h1").css('left','0px');
    $(".h1-hc").text('Projects');
    console.log('hi')
  } else {
    $(".rotate-h1").css('left','-250px');
  }
```

Task Runner/Dependencies

As our task runner we used gulp js. Primarily was used to minify our files and run images faster.

```
 1    'use strict';
 2
 3    var gulp = require('gulp');
 4    var sass = require('gulp-sass');
 5    var cleanCSS = require('gulp-clean-css');
 6
 7    sass.compiler = require('node-sass');
 8
 9    gulp.task('sass', function () {
10      return gulp.src('./css/main.scss')
11      .pipe(sass().on('error', sass.logError))
12      .pipe(gulp.dest('./css'));
13    });
14
15    gulp.task('minify-css', () => {
16        return gulp.src('./css/*.css')
17        .pipe(cleanCSS({compatibility: 'ie8'}))
18        .pipe(gulp.dest('css/minifiedCSS'))
19    })
20
21    gulp.task('watch', function () {
22      gulp.watch('./css/main.scss', gulp.series('sass'));
23      gulp.watch('./css/main.scss', gulp.series('minify-css'));
24    });
25
```

Javascript Best Practices

Camel Case Variables

Script tag as much as possible at the end of the screen.

Triple === for a strict rule

Try Declare Variables outside for statements/loops

Add spacing between pieces of code (can remove spacing once completed)

Comment each piece of code with its intended function

Name variables properly and not random names that are not relevant.

When having a lot of variables, use Var and then comma as opposed to var = xxx for each individual variable

Use libraries only when needed.

Commit with a message to git on each change so we can track our changes

Pull each time from github before you start making edits

Code contribution and online hosting

GitHub was the code repository we used. We set it up into a master and our personal branch, before finally committing everything to the master branch.

Default branch		
`master` Updated 2 days ago by erindhoxha		Default

Your branches				
`branch-anam-lastest-edit` Updated 2 days ago by Anam	2 | 0	#4	Merged	🗑

Active branches				
`branch-anam-lastest-edit` Updated 2 days ago by Anam	2 | 0	#4	Merged	🗑
`new_test_new` Updated 3 days ago by erindhoxha	6 | 1	#3	Open	🗑
`new_test` Updated 3 days ago by erindhoxha	6 | 0	#2	Merged	🗑

Each time we made a commit, we would always write a message so that we can communicate when away and working on code. The messages had to be clear and show exactly what was changed (assisting us to track changes without having to go into gitHub and check each time)

📁 bootstrap	going to work on the sass bootstrap and the images
📁 css	status
📁 doc	initial commit
📁 fonts	added fonts and installed fonts
📁 img	getting
📁 js	test
📄 .DS_Store	added logos
📄 .gitignore	Initial commit
📄 404.html	initial commit
📄 LICENSE.txt	initial commit
📄 browserconfig.xml	initial commit
📄 designer.html	getting
📄 favicon.ico	initial commit
📄 gulpfile.js	changes
📄 humans.txt	initial commit
📄 icon.png	initial commit

Project Management

Along with our project plan and other meetings, we had to use a platform that would let us track our changes thoroughly and through each step. We selected the use of Trello. Easily helping us collaborate and see what the other has done or needs working on.
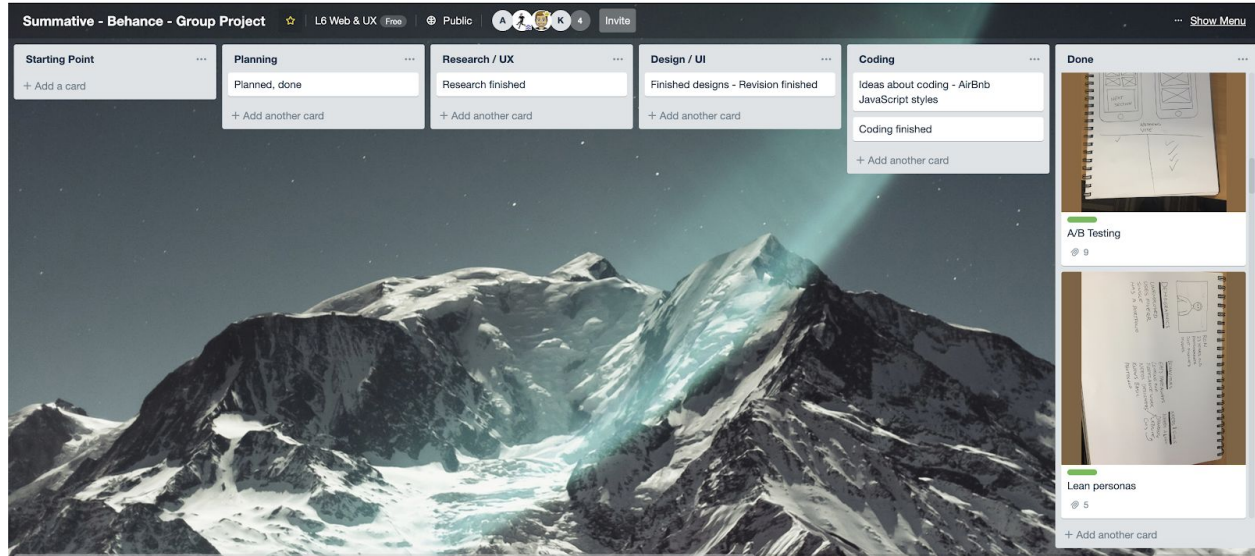
To also make sure that we are sticking to schedule, we would have a meeting daily where we would discuss previous days works, any issues we had and where to move forward to. Recording the meeting minutes and agenda to help us. We used trello and google docs for this
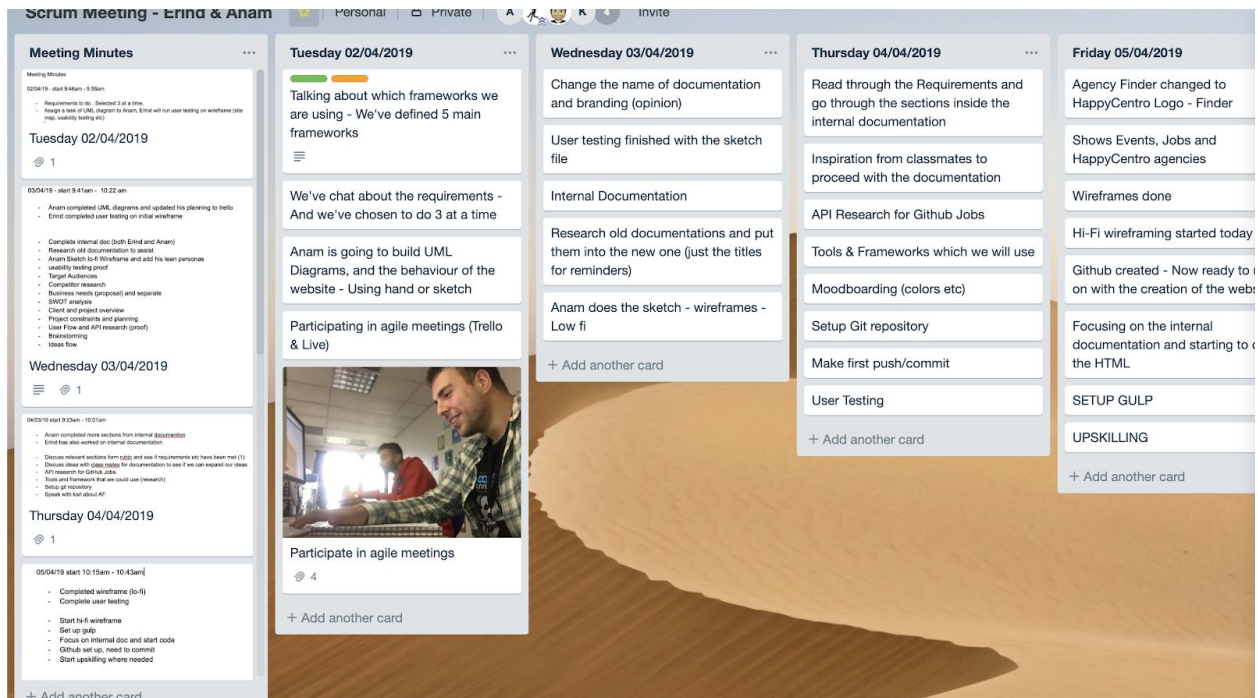
Meeting Minutes

02/04/19 - start 9:46am - 9.58am

- Requirements to do . Selected 3 at a time.
- Assign a task of UML diagram to Anam, Erind will run user testing on wireframe (site map, usability testing etc)

03/04/19 - start 9:41am - 10:22 am

- Anam completed UML diagrams and updated his planning to trello
- Erind completed user testing on initial wireframe

- Complete internal doc (both Erind and Anam)
- Research old documentation to assist
- Anam Sketch lo-fi Wireframe and add his lean personas
- usability testing proof
- Target Audiences
- Competitor research
- Business needs (proposal) and separate
- SWOT analysis
- Client and project overview
- Project constraints and planning
- User Flow and API research (proof)
- Brainstorming
- Ideas flow

04/03/19 start 9:23am - 10:01am

Project Links

GitHub – https://github.com/erindhoxha/happyCentro

Trello – https://trello.com/b/vNyrj2y1/summative-behance-group-project

Trello meeting – https://trello.com/b/PAtuGMxF/scrum-meeting-erind-anam