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Week 1 Jornal

Ruobing Wang

Introduction (something about me...)

Hi! I'm Ruobing Wang and a coffeeholic person who recently graduated from Macquarie University with a Bachelor's degree in Business Analytics. Aim of studying at the University of Queensland, there are two main reasons for this. Firstly, there is no need for either design or information technology background to look at this at the University of Queensland. Firstly, after three years of Bachelor's studies in Sydney, the weather in Brisbane is more suitable for me, especially in winter. Then, I intend to explore a different major from my Bachelor's degree.

The University of Queensland's program structure provides a more reasonable schedule for noviciate learners in interaction design. Meanwhile, with provides essential knowledge to give students a good entry.

Initial Thoughts...

When I first saw the structure of this course, I was so excited that I could finally create an actual word content website with dataset analysis, a skill I enjoy. I also like to work with people from diverse backgrounds. Still, meanwhile, I got depression since this course also could become a big challenge for people like me without any experience in HTML, CSS or such things at this time.

Expectation is...

Well, I always need help with how to communicate via products to users to handle some problems around them. Thus, when I finish this course, I wish the website we created could make sense in our society and deal with real-world issues.

Design Computing means to me ...

Design computing is like a communication tool between designers and users to meet people's needs efficiently. Moreover, I am passionate about creating a website for business purposes, such as online shops. Therefore, design computing for me will be like creating a website or some computer-based tool to make a profit for organisations and let users get what they expect.

What I plan to do next week...

This week is my first time trying to use APIs. There should be many things I have to learn. Next week, I want to know how to use Javascript to catch API and be familiar with Javascript.

Reflection on the week's progress...

In the first week, all contents are just average level for me. Although this is my first time to know about javascript, I feel just alright. Not too hard to understand.

Response to in-class prompt

Studio: Some work from week1-workshop:

Circular Economy

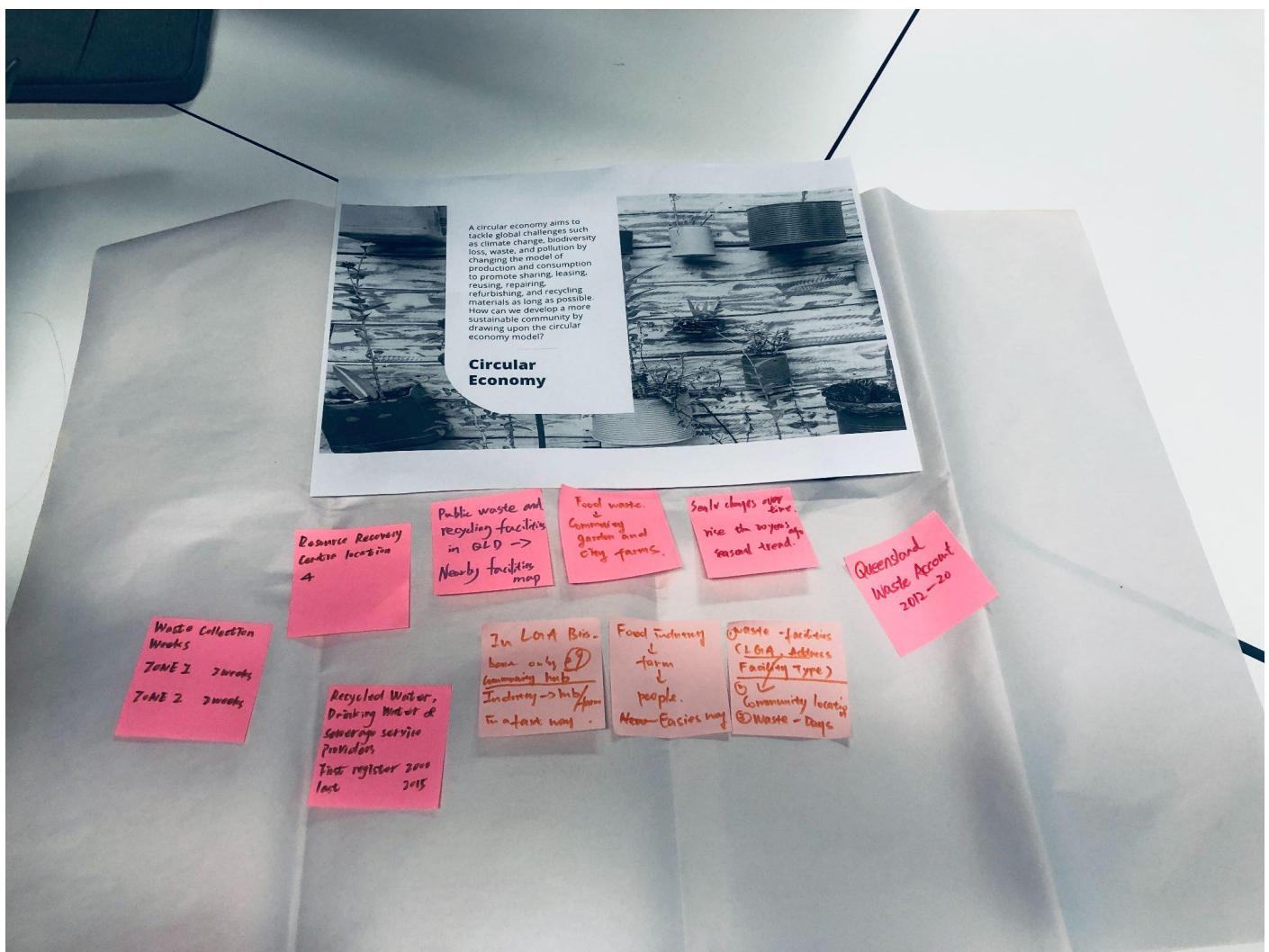


Image: Group discussion topic of circle economy

Brainstorm:

- We could use the map as a search bar to help people locate the nearest recycle hub...
- Set a reminder system to notify residents when they collect trash
- According to a report shows, food waste is still a big problem

Inner City Transport:

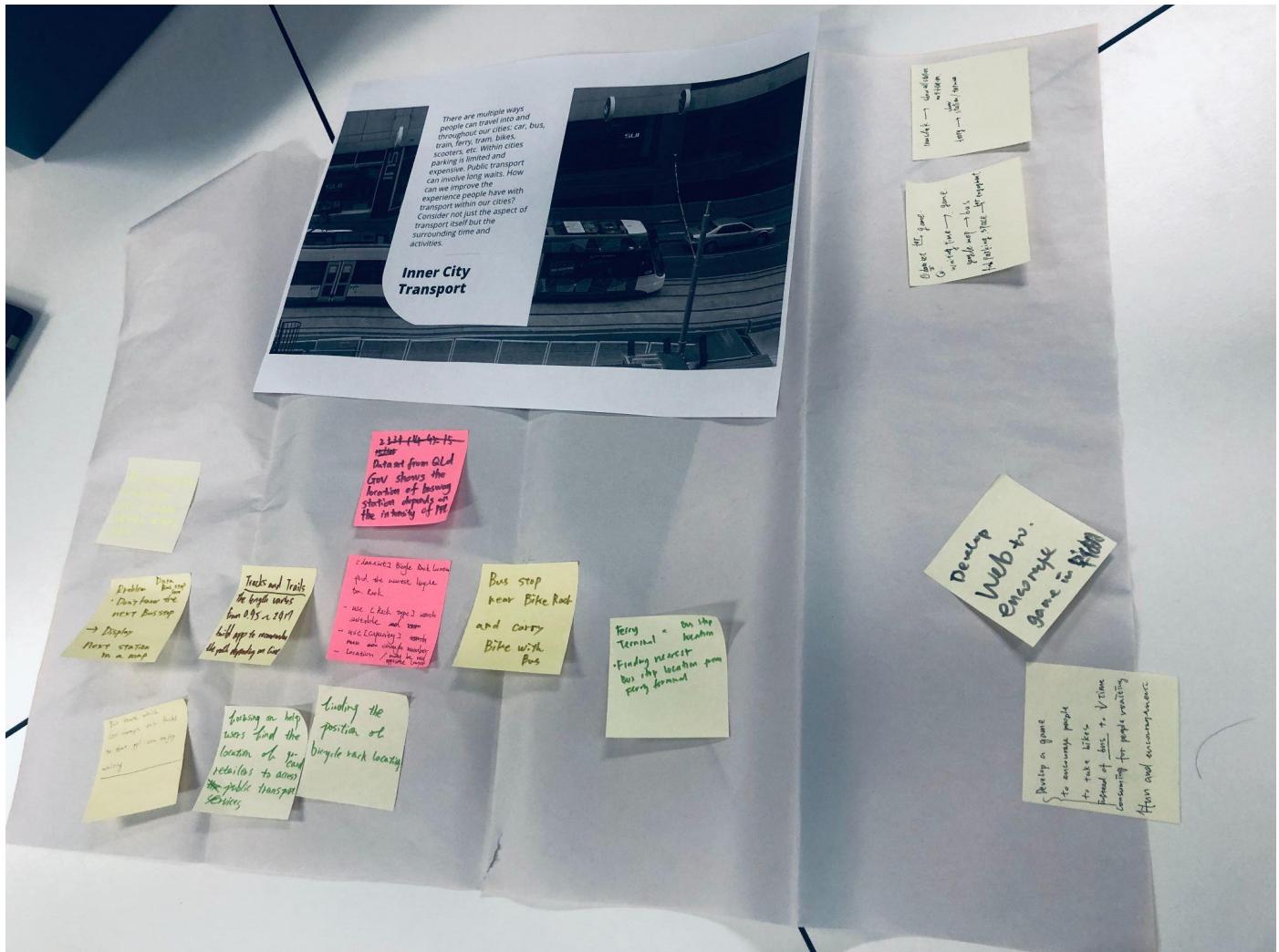


Image: Group discussion topic of inner city transport

Brainstorm:

- We aim to develop a game to improve customers' experience using public transport...
 - Bus notification remainder at each stop
 - Encourage people to take more bikes instead of buses and private cars
 - The main idea of this topic is to develop the user experience. We thought

Workshop:

- Introduction to APIs

I worked with provided example to see how APIs work

```
function getYear(year) {
  if(year) {
    return year.match(/[\d]{4}/); // This is regex (https://en.wikipedia.org/wiki/Regular\_expression)
  }
}

function iterateRecords(data) {
  console.log(data);
  $.each(data.result.records, function(recordKey, recordValue) {
    var recordTitle = recordValue["dc:title"];
    var recordYear = getYear(recordValue["dcterms:temporal"]);
    var recordImage = recordValue["150_pixel_jpg"];
    var recordDescription = recordValue["dc:description"];
    console.log(recordYear); // logs the year of the record
    if (recordYear == "1915") { // if the year is 1915, then...
      if(recordTitle && recordYear && recordImage && recordDescription) {
        $("#records").append(
          $(<section class="record">).append(
            $(<h2>).text(recordTitle),
            $(<h3>).text(recordYear),
            $(<img>).attr("src", recordImage),
            $(<p>).text(recordDescription)
          )
        );
      }
    }
  });
}
```

Image: Screenshot Update any field references so that they display correctly and use an if statement to filter records based on a particular key and value (e.g. recordYear == "1915").

Week 2 Jornal

What I plan to do next week...

So glad I finished this week's task in the workshop. This week is our second time using APIs to analyse the data. Next week I hope I can transfer the '*Metres Parking Location*' dataset from the government website.

What issues you encountered during the week impacted your progress, and how you overcame (or plan to overcome) them...

This week, I still needed to learn how to set up my preferred topic with key datasets. Until now, I have been worried about how to analyse data to develop some valuable functions.

Reflection on the week's progress...

This week, we reviewed the API filter and Jason's file method usage. In the Studio session, we randomly grouped twice, which let me know more about my classmates. We discussed all those topics, and everyone showed their ideas. I am so excited that ppls ideas which I found the most exciting topic is InnerCity Transport. I could pick this topic as my final one.

Reflect on how the project is progressing...

Last week, I first time touched javascript, and it made me confused at the beginning. However, after one week watched YouTube videos and practising week1's questions, I feel more confident about using API in my future project.

In the studio class, we discussed each other's ideas on their preferred topic, which gave me more hints about my future project.

Response to in-class prompts:

Workshop:

During this workshop, I did the tasks:

- AJAX Loading
- Input Filtering
- Caching the API Result

- Displaying Large Images from data.qld.gov.au datastore

```

var chocapi = Chocolat(document.querySelectorAll('.chocolat-image')).api; // Initialize the chocolat plugin

setTimeout(function() {
  | $("body").addClass("loaded");
}, 2000); // 2 second delay

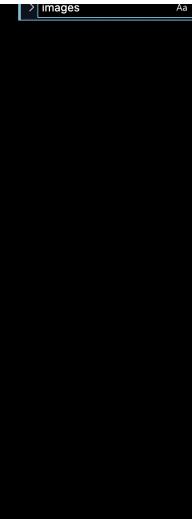
$("#filter-count strong").text($(".record:visible").length);

$("#filter-text").keyup(function() {
  var searchTerm = $(this).val();
  console.log(searchTerm);
  $(".record").hide();
  $(".record a").removeClass("chocolat-image"); // Remove the chocolat class from the Images so they don't open in the lightbox
  $(".record:contains('" + searchTerm + "')").show();
  $(".record:contains('" + searchTerm + "') a").addClass("chocolat-image"); // Add the chocolat class to the Images that match the search term i.e. visible records
  $("#filter-count strong").text($(".record:visible").length);

  chocapi.destroy(); // Destroy the lightbox
  chocapi = Chocolat(document.querySelectorAll('.chocolat-image')).api; // Re-initialise the lightbox
});

});
```

Image: Displaying Large Images from data.qld.gov.au datastore



```

$(document).ready(function() {

  var slqData = JSON.parse(localStorage.getItem("slqData"));
  //var slqData = JSON.parse(sessionStorage.getItem("slqData"));

  if (slqData) {
    console.log("Source: localStorage");
    iterateRecords(slqData);
  } else {

    var data = {
      resource_id: "9eaeccb-e8e3-49a1-928a-4df76b059c2d",
      limit: 50
    }

    $.ajax({
      url: "https://data.qld.gov.au/api/3/action/datastore_search",
      data: data,
      dataType: "jsonp", // We use "jsonp" to ensure AJAX works correctly locally (otherwise XSS).
      cache: true,
      success: function(data) {
        console.log("Source: API");
        localStorage.setItem("slqData", JSON.stringify(data));
        //sessionStorage.setItem("slqData", JSON.stringify(data));
        iterateRecords(data);
      }
    });
  }
});
```

Image: Caching the API Result

Topic:

Idea from each brief and identify an API (other than Australian Government data portals) that you could include in the concept & how you may use it ...

In this week's workshop, we briefly discussed many ideas. For instance, if people were waiting a long time, we could provide the nearest bike site, game → target concession, and passengers. I chose one of

inner transport Brisbane City Council's bus stop descriptions and boarding points where commuters catch a public transport bus.---->(bus stop location) (rent bike location).

- Brief 1: Public Space

Firstly, I combined Park location and Events -Active Park to make a Family events project

<https://www.data.qld.gov.au/dataset/all-abilities-playgrounds>,<https://www.data.brisbane.qld.gov.au/data/dataset/active-parks-events>.

In this Project, I also need to use another dataset (data forecasting and park facilities situation) to let Families that have children or prefer to have a picnic in their free time. Furthermore, they can select the nearest park location or anywhere to hold some exciting activities soon, then check if this place is fit to have a picnic or BBQ and how many spots are available. After that, they can make a plan depending on the date and weather.

- Brief 2:Inner City Transport

Firstly, I choose a car park to occupy-forecasting to select which suburb with API we want to explore and then combine it with other datasets named car parking in this area to make estimate hours and available car parking spots. By using API to get data, I didn't need to use some specific coding languages to exact detailed data, which is easy to get.

From free_api.github.io, I can use mercedec_benz parking monitoring to determine the nearest parking spaces: https://developer.mercedes-benz.com/products/parking_monitoring, which may help me to get more car parking locations.

- Brief 3:Emergency Response

In this project, I plan to use Flood

-Awareness(https://www.data.brisbane.qld.gov.au/data/dataset/flood_awareness_creek,<http://www.bom.gov.au/metadata/catalogue/19115/ANZCW0503900562?template=full>) to determine which places and where need to be considered. At the same time, we aim to use Parking locations to help residents who have cars need to be protected .moreover, to reach the lowest dangerous level, we use weather forecasting to check whether the situation can cause coils a flood or not.

● Brief 4:Flora and Fauna

In this topic, I would use(QLD wildlife data API) <https://www.data.qld.gov.au/dataset/qld-wildlife-data-api>,and (S0E2020:Major threats to fauna species<https://data.gov.au/dataset/ds-qld-ed69aa88-5a83-44ad-ad83-e611d257913f> to show each specie animal's situation. We could select the specific animal for the APIs to check their primary threat and use DUgong Protection areas to understand where they can be protected in Queensland.

● Brief 5:Circular Economy

Well, sustainability is old fashion issue, especially for restaurants and domestic households. Thus I would use public waste and recycling facilities in Queensland (<https://www.data.qld.gov.au/dataset/public-waste-and-recycling-facilities-in-queensland>) and Waste Collection Days (<https://www.data.brisbane.qld.gov.au/data/dataset/waste-collection-days>), also with Google map to deductive residents nearest recycle place. However, for making it for fun activities, I think I will use community gardens(<https://www.data.brisbane.qld.gov.au/data/dataset/community-gardens-city-farms>) and city farms for Children who are interested in plants and protecting the environment, or just indeed to get knowledge on this.

Studio:

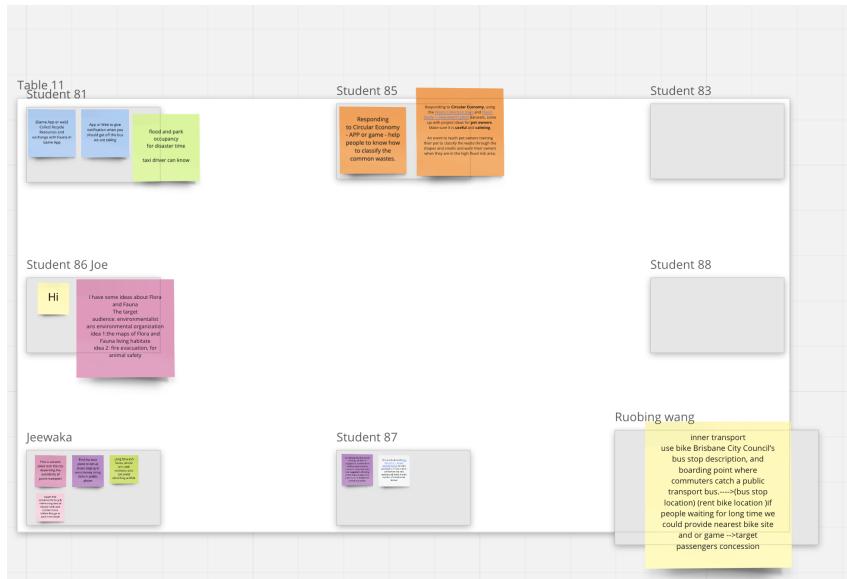


Image: screenshot from Mirro with group member discussion with their interest topics

Week 3 Jornal

What I plan to do next week...

As we have learned how to use the filter method on API datasets this week, I hope next week I can try this method on '*Meter parking location*' to find out how many parking spots are in zone 2.

What issues impacted my progress during the week, and how do I overcome (or plan to overcome) them?

I had a basic idea for my project. I need to make it accurate as a first-year student. Tutors told us not to worry about technical skills and think about ideas, and I will be more in charge of design aspects.

Reflection on the week's progress...

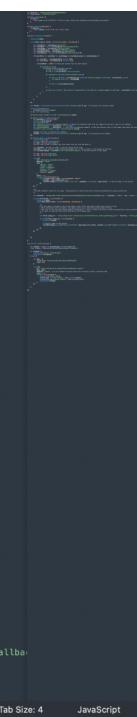
I'm satisfied with what I did this week. In this week's studio class, I have made friends and asked them to be my future group mates. The most exciting thing is I have already confirmed the final topic in my final is Inner City Transport to help people who live in the great city to find Parking places and enjoy hygienic restaurants.

Response to the in-class prompt:

Workshop:

I did this week's task of Filtering and Validating Data & Working with Maps, and we used chocolate js to load the larger API photos

```
60  var chocapi = Chocolat(document.querySelectorAll('.chocolat-image')).api; // Initialize the chocolat plugin
61
62  settimeout(function() {
63    $(body).addClass('loaded');
64  }, 10); // 2 second delay
65
66  $("#filter-count strong").text($(".record:visible").length);
67
68  $("#filter-text").keyup(function() {
69    var searchTerm = $(this).val();
70    console.log(searchTerm);
71    $(this).record().hide();
72    $(this).recordMoreImages.removeClass("chocolat-image"); // Remove the chocolat class from the images so they don't open in the lightbox
73    $(this).recordMoreImages.filterClass("chocolat-image"); // Add the chocolat class to the images that match the search term i.e. visible records
74    $(this).recordMoreImages.filterClass("chocolat-image").show();
75    $(this).recordMoreImages.filterClass("chocolat-image").addClass("chocolat-image"); // Add the chocolat class to the images that match the search term i.e. visible records
76    $("#filter-count strong").text($(".record:visible").length);
77
78    chocapi.destroy(); // Destroy the lightbox
79    chocapi = Chocolat(document.querySelectorAll('.chocolat-image')).api; // Re-initialise the lightbox
80  });
81
82  $(".record-link").click(function(e) {
83    e.preventDefault();
84    console.log($(this).data('year'));
85    var year = $(this).data('year');
86    $(this).off('click'); // Remove the click event from the link and hide it
87
88    var recordRef = $(this).parent(); // Get the parent of the link
89    recordRef.append('<section class="record-more-images">'); // Add a section to the parent of the link
90    var recordMoreImages = recordRef.find(".record-more-images"); // Get the section we just added
91
92    var lat = $(this).data("lat");
93    var lon = $(this).data("long");
94
95    $.ajax({
96      url: "https://en.wikipedia.org/w/api.php",
97      dataType: "jsonp",
98      data: {
99        "action": "query",
100        "format": "json",
101        "prop": "imageinfo",
102        "iiprop": "url",
103        "generator": "images",
104        "titles": year[0]
105      },
106      cache: true,
107      success: function(results) {
108        $.each(results.query.pages, function(pageID, page) {
109          imageURL = page.imageinfo[0].url;
110          recordMoreImages.append($(<img>).attr("src", imageURL).attr("title", page.title)); // Add the image to the section
111        });
112      }
113    });
114
115    /**
116     * The URL needed to search for an image - documentation at https://www.flickr.com/services/api/flickr.photos.search.html
117     */
118
119    var flickrURL = "https://api.flickr.com/services/rest/?method=flickr.photos.search&api_key=" + flickrkey + "&lat=" + lat + "&lon=" + lon + "&accuracy=11&format=json&nojsoncallback";
120
121    $.getJSON(flickrURL, function(data) {
122      console.log(data);
123      $.each(data.photos.photo, function(photoKey, photoValue) {
```



Images:
screenshot when
the user click
extend button
show photos

I did this week's
task Augmenting
with MediaWiki.

Records from SLQ

1889	1892	1897
<p>East Coorparoo Estate map dated about 1889</p>  <p>East Coorparoo Estate map drawn up by surveyor, W.H. Chambers. The estate was for private sale by A. M. McNish of Queen Street, Brisbane. The area was bordered by Old Cleveland Road (on south); Ferguson Road (on west); Stanley Road (on north) and Arrol Street on the east.</p> <div style="display: flex; justify-content: space-around;">    </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">    </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">    </div>	<p>Wendouree Estate map showing an area of Coorparoo for sale about 1892</p>  <p>Estate map drawn by David Dietrichson showing the area of Coorparoo bounded by Pembroke Road, Old Cleveland Road and Kirkland Avenue. The Wendouree Estate was for private sale by T. Howling & Co., Auctioneers.</p> <div style="display: flex; justify-content: space-around;">    </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">    </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">    </div>	<p>Estate map for New Farm, Brisbane, Queensland, ca.1887</p>  <p>New Farm Estate map for a land auction showing a plan of allotments to be sold on the 22nd October 1887 by James R. Dickson & Company, Auctioneers. The sale of land allotments covers the streets surrounded by Race Street, Russell Street and Wharf Street on the Brisbane River, Queensland.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;">   </div>

Image: The final results of the workshop

I did this week's task, Mixing in Flickr

```
7 // The URL related to searching for an image - documentation at https://www.flickr.com/services/api/flickr.photos.search/
8 */
9
10 var flickrURL = "https://api.flickr.com/services/rest/?method=flickr.photos.search&api_key=" + flickrkey + "&lat=" + lat + "&lon=" + lng + "&accuracy=11&format=json&nojsoncallback";
11
12 $.getJSON(flickrURL, function(data) {
13     console.log(data);
14     $.each(data.photos.photo, function(photoKey, photoValue) {
15
16         /**
17          * We also want to provide a link to the image on the Flickr users page (credit where credit is due)
18          * This information isn't provided in the basic search, so we need to execute another API call
19          * This time we are using the photos.getInfo functionality - docs at https://www.flickr.com/services/api/flickr.photos.getInfo.html
20          * For this, we need the photo id as returned in the original call
21         */
22
23         var flickr_image_url = "https://api.flickr.com/services/rest/?method=flickr.photos.getInfo&api_key=" + flickrkey + "&photo_id=" + photoValue.id + "&format=json&nojsoncallback";
24
25         $.getJSON(flickr_image_url, function(data) {
26             console.log(data);
27
28             // Add the image to the section
29             recordMoreImages.append($("<a>").attr("href", data.photo.urls.url[0]._content).append($("<img>").attr("src", photoValue.url_m).attr("title", photoValue.title + " by " + data.photo.user.username));
30         });
31     });
32 });
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Image: Js code about mixing in Flickr

This week we discussed the top three briefs ([Inner city transport, public space, emergency response](#)) and ideas in the group that Design inspiration for the Miro Board.

The public space topic that the things that attract me are most using library hotspots to detect what is the nearest library and wifi they can use.

Topic:

Ideas to help it better ...

My first preferred topic is still the Inner City Transport I chose last week. At that time, I submitted a Figma to show what that website should be looks like. However, it was still straightforward, and I needed to use more interactive techniques and get enough datasets to support this project. Moreover, I always thought that more straightforward coding to make a perfect website was possible. Fortunately, during group discussion, we talked about how we could do in few things to help to improve better for what I did in the last assessment. Most notably, in this week's studio, I got lots of inspiration on this topic, such as adding more datasets like weather forecasting to determine. For instance, people will change their minds about picking a restaurant they prefer and adding filter options to improve customer user experience flexibility.

Furthermore, I believe this week's workshop was also more helpful. This time, I learned how to use API to add real-time maps for my future website project and select specific data to fit what we expect.

Last but not least, after I looked through all my previous projects, which gave me more ideas for my next week's projects, I could add some real-world videos or pictures as the background of my website or create a 3D car model or park spot to give drivers a better understanding of how car parking looks like whether it fits their car's size or not. Well, those are all my basic ideas, and I hope in the next few weeks, I can do my best and work well with my teammate to create an exciting and wonderful project.

filter:
Varies types of restaurant separate to recommend to choose

Carplay, Tablet, Smart Watch

Datasets used are:

- Parking_Meter_Location : <https://www.data.brisbane.qld.gov.au/data/dataset/brisbane-parking-meters-and-fees/parking-meter-payments>
- Parking_occupancy_forecasting : <https://www.data.brisbane.qld.gov.au/data/dataset/parking-occupancy-forecasting>
- Food_Safety_permit : <https://www.data.brisbane.qld.gov.au/data/dataset/food-safety-permits>
- Food_safety_complaints : <https://www.data.brisbane.qld.gov.au/data/dataset/food-safety-complaints>
- Car park fee: <https://www.brisbane.qld.gov.au/traffic-and-transport/parking-in-brisbane/parking-meters-and-fees/parking-meter-payments>

Foodie parking solver

Responding to inner city Transport, which plans to use parking-Meterlocation, parking-Occupancy forecasting along with the food safety permit and food safety complaints datasets to help people who intend to drive cars need a park place and safe food in dining out. Firstly, by creating a search bar and not case sensitive to let users input the name of the target restaurant and whether it will be a walk-up or a restaurant appears in this form to food safety permit or not. Then, once this restaurant conforms to food safety regulations, not appearing on food safety complaints, the parking information will show out. Users can plan ahead of the estimated time consuming on the way to know how many available spaces will be there after they arrive via the parking and occupancy forecasting dataset to ensure there is still space and then book an appointment with a restaurant.

To find the nearby car park and make a plan ahead, above all, we use the mobile zone as the foreign key let the parking-occupancy dataset join the parking-occupancy dataset. Then use the mobile zone to determine where the suburb belongs. Also, use suburb as the foreign key to match the restaurant's business suburb to ensure all datasets join together. Next, when customers input the restaurant name and that name in the list of food safety permits. We will provide all parking information such as the number of car parks available, the number of car parks currently still occupied. Otherwise, we will give a notification to customers to decide whether to continue with this restaurant containing potential unsafety food issues. Last but not least, to pass the time of waiting without feeling bored, there is a game called sudoku puzzle at the top of our website whenever customers intend to play.

MacBook Pro - 1 MacBook Pro - 2 MacBook Pro - 3 MacBook Pro - 4 MacBook Pro - 5 MacBook Pro - 6

Here is link of figma:<https://www.figma.com/file/ljyl14je3l11Amr5vhCWcFhs/Untitled?node-id=0%3A1>

Ruobing Wang 47236756
DECO1800/7180 A2 Design Inspiration Semester 2, 2022

Image: Original design inspiration on mirror board, containing Figma and data sets connected

WEEK 4 Jornal

What I did this week...

I focus on editing the prototype on Figma, and as this week is our team's first meeting, I will assist Aleks in adjusting my previous Figma. What changed from the last:

1. Modified search bar to a list of restaurants when the user searches
2. Show search results with map and restaurant information
3. Combined the safety rate score with the restaurant to inform users

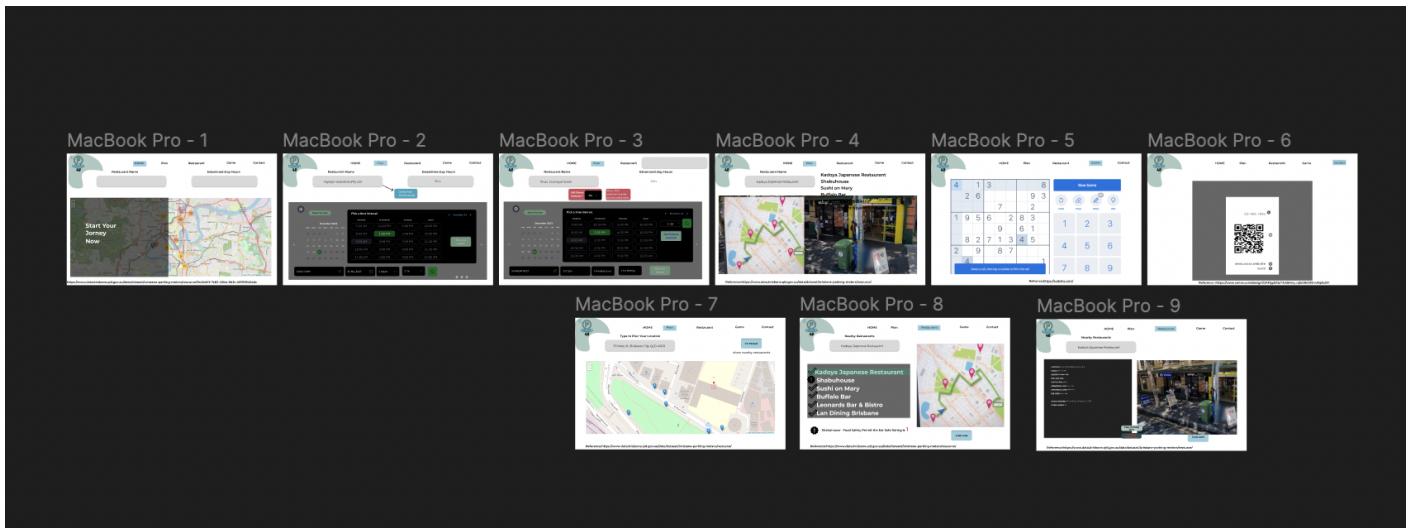


Image: Screenshot after adjusted Figma of our prototype

Source: <https://www.figma.com/file/uyU4je3L11Amr6vhCWcFhs/Untitled?node-id=0%3A1>

What I plan to do next week, include specific plans you want to achieve for the week ahead:

Get familiar with our dataset to find some interesting connections with our datasets, and explore some different APIs we can use in our project.

Such as Yelp we can use for providing restaurant photos and customer reviews.

What issues impacted my progress during the week, and how do I overcome (or plan to overcome) them?

The first problem is our first-time meeting this week; most of us first-year students need to improve at javascript. Fortunately, we have assigned each groupmate role.

Thus, I planned to finish our first draft prototype and adjust our project according to each week's group meeting.

Reflection on the week's progress...

Although this week is our first-time group meeting, we have already discussed our project topic, how to I am main focus on design and research data analytics. Improve each other's leading roles.

Reflect on how the project is progressing...

I'm so excited about this week's studio, as all my preferred group members are in my group, and they all agreed to choose my topic as our final one. I believe we can have a good result in the end.

Response to the in-class prompt:

Studio:

During this studio class, one of our teammates was absent because of Govhack, so we had to chat with him on the WhatsApp group to discuss our process details.

This week we had an extra hour to do the project design rapidly sprint to make a basic idea of what our application looks like. At this time, we went through my original Design inspiration on the Mirro board. We drew a storyboard to declare that our target user group is a young family with children too busy working on cooking by themself.

This is our group's first meeting, and we also talked about the following weeks' plans and each member's strength skills.

We set the main problems are:

Main problem:

One young family with two kids had a food poisoning accident at one of the restaurants in the city centre. Fear for the safety of their children, in addition to horrible parking, heavy traffic, and long lines, makes their dining experience terrible. If they can, they are forced to eat at specific establishments or only those with few to no health code violations.

As after we talked about my ideas for this project, there are some issues we have to fix.

1. To tell the user to get more understanding of their parking space, we changed our Figma prototype to use photos instead of more text information.
2. We meet regularly on Sunday at 7 pm.

3. Alex and I will focus on website design and, generally, I edited our projects.

The image below shows the draft user storyboard we made, which displays a young family who wants to dine out but cancel the restaurant booking.

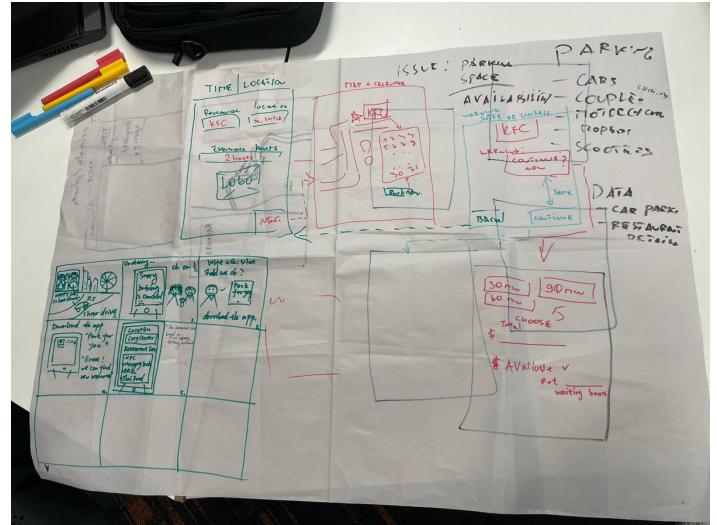
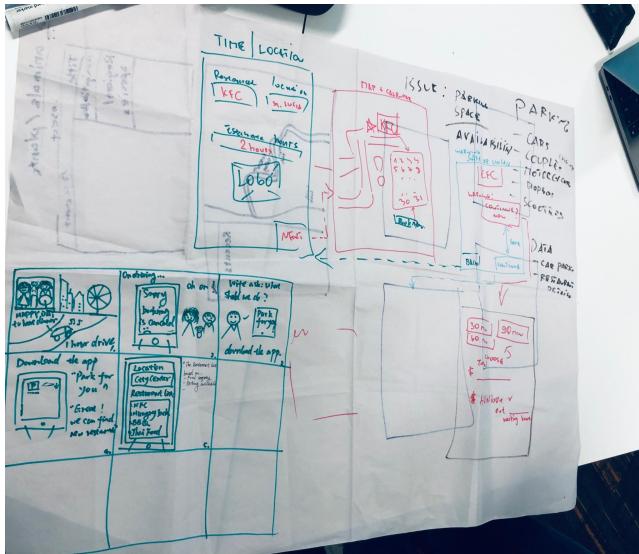


Image 1,2: shows a draft storyboard we made in just 30mins.

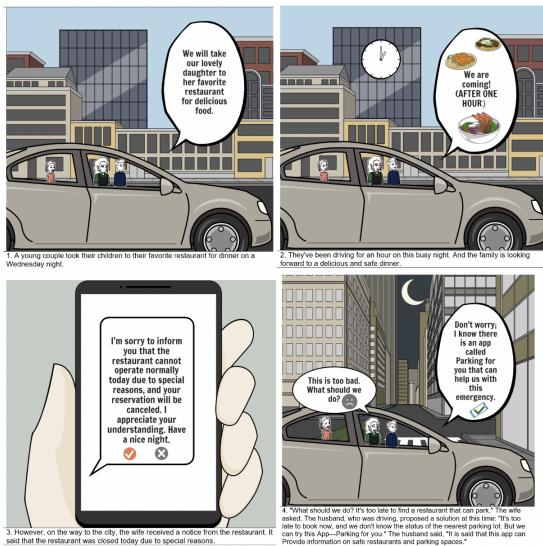


Image 3: shows a storyboard we assumed users(Famil) when faced the booking restaurant cancelled when they were on the way to should be reserved the restaurant

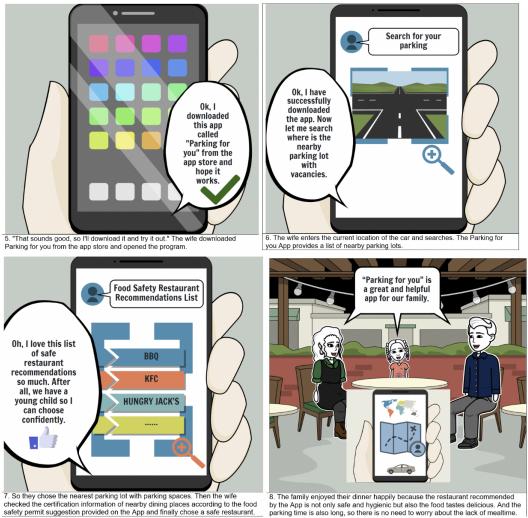


Image 4: shows our application suggests the restaurants regard their current location so that they can continue to enjoy their delicious

Workshop:

- During this workshop, I did tasks are
 - Accessing our Team Zone
 - Accessing the back-end using SFTP Software (to upload files)
 - Accessing the front end (i.e. viewing your web application as a user would)
 - Testing out some files
 - Accessing the back-end with Command Line (to manage your server)
 - Rapid Design Sprint
 - Using project/brief-related datasets
 - Basic styling and interaction
 - Non-trivial task

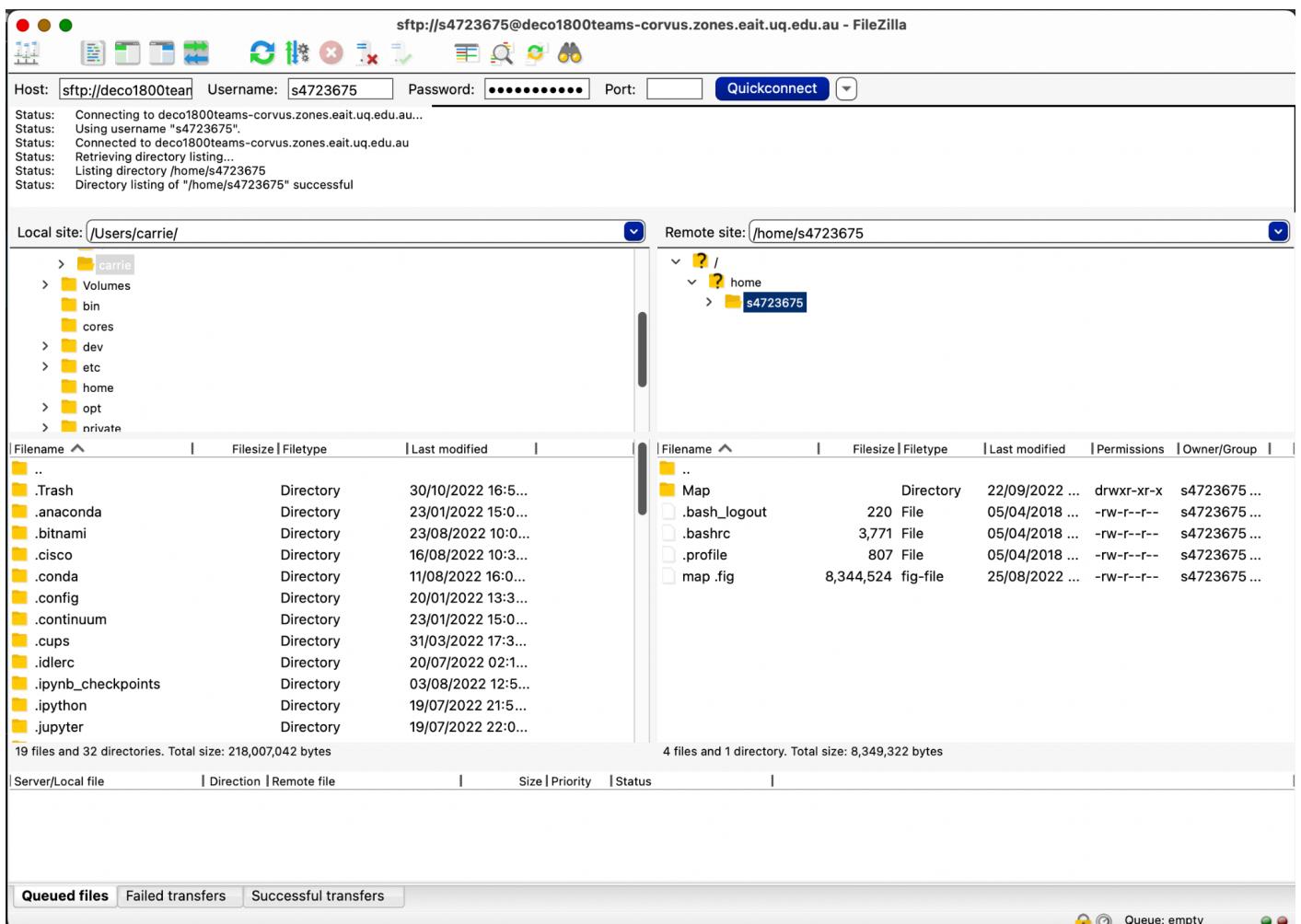


Image: Test file upload a map file access to Filezilla

sftp://s4723675@deco1800teams-corvus.zones.eait.uq.edu.au - FileZilla

Host: sftp://deco1800team Username: s4723675 Password: Port: Quickconnect

Status: Directory listing of "/var" successful
 Status: Retrieving directory listing of "/var/www"..."
 Status: Listing directory /var/www
 Status: Directory listing of "/var/www" successful
 Status: Retrieving directory listing of "/var/www/htdocs"..."
 Status: Listing directory /var/www/htdocs
 Status: Directory listing of "/var/www/htdocs" successful

Local site: /Users/carrie/ Remote site: /var/www/htdocs

Filename ^	Filesize	Filetype	Last modified	Permissions	Owner/Group
..					
.Trash		Directory	30/10/2022 16:5...		
.anaconda		Directory	23/01/2022 15:0...		
.bitnami		Directory	23/08/2022 10:0...		
.cisco		Directory	16/08/2022 10:3...		
.conda		Directory	11/08/2022 16:0...		
.config		Directory	20/01/2022 13:3...		
.continuum		Directory	23/01/2022 15:0...		
.cups		Directory	31/03/2022 17:3...		
.idlerc		Directory	20/07/2022 02:1...		
.ipynb_checkpoints		Directory	03/08/2022 12:5...		
.ipython		Directory	19/07/2022 21:5...		
jupyter		Directory	19/07/2022 22:0...		

19 files and 32 directories. Total size: 218,007,042 bytes

Filename ^	Filesize	Filetype	Last modified	Permissions	Owner/Group
..					
Backup 25 October		Directory	25/10/2022 1...	drwxrwxr-x	s4685503 ...
JSON		Directory	26/10/2022 0...	drwxrwxr-x	s4685503 ...
css		Directory	26/10/2022 0...	drwxrwxr-x	s4685503 ...
game		Directory	26/10/2022 0...	drwxrwxr-x	s4685503 ...
images		Directory	26/10/2022 0...	drwxrwxr-x	s4685503 ...
js		Directory	26/10/2022 0...	drwxrwxr-x	s4685503 ...
.DS_Store	6,148	File	26/10/2022 0...	-rw-rw-r--	s4685503 ...
about-us.html	6,645	html-file	26/10/2022 1...	-rw-rw-r--	s4685503 ...
index.html	1,299	html-file	26/10/2022 0...	-rw-rw-r--	s4685503 ...
map.html	2,036	html-file	26/10/2022 0...	-rw-rw-r--	s4685503 ...
safe-rating.html	1,619	html-file	26/10/2022 0...	-rw-rw-r--	s4685503 ...
selectable.html	3,035	html-file	26/10/2022 0...	-rw-rw-r--	s4685503 ...

8 files and 6 directories. Total size: 23,919 bytes

Server/Local file | Direction | Remote file | Size | Priority | Status |

Queued files Failed transfers Successful transfers

Queue: empty

Image: Screenshot of accessing our group file

Parking — Occupancy forecasting — Current quarter — CSV

[Download](#) [Data API](#)

The Brisbane City Council parking occupancy forecasting data includes parking data for all of Council's parking meters. The data attributes used in this resource and their descriptions can be found in the [Parking — Occupancy forecasting — metadata — CSV](#) resource in this dataset.

The data in this resource is linked to open data on this website called [Parking — Meter locations](#). The field called MOBILE_ZONE is used to link the datasets. MOBILE_ZONE is a seven-digit mobile payment zone number that may include one or many parking meter numbers.

Additional information on parking meters can be found on the [Brisbane City Council website](#).

A screenshot of a data visualization interface. At the top, there are tabs for 'Grid', 'Graph', and 'Map'. The 'Grid' tab is selected, showing 382439 records. Below the tabs is a search bar with placeholder 'Search data ...' and a 'Go' button. To the right of the search bar are 'Filters' and 'Add Filter' buttons. The main area displays a table with columns: '_id', 'MOBILE...', 'DATE', 'HOUR', and 'OCCUP...'. The data shows 12 rows of records for a single meter ID (4000103) across different hours on 1/10/2022, with the 'OCCUP...' column consistently showing the value '5'.

Image: Screenshot The dataset on Parking -Occupancy forecasting – Current Quarter

Sources:

<https://www.data.brisbane.qld.gov.au/data/dataset/parking-occupancy-forecasting/resource/a8052a9c-38ad-4a5a-b138-b2dd7f65cf7>

Home > Datasets > Parking — Meter locations > Parking — Meter locations — CSV

Parking — Meter locations — CSV

[Download](#) [Data API](#)

Brisbane City Council Parking Meter Zones operating times, rates and location description including latitude and longitude.

Additional information on parking meters including a zone map can be found on the [Brisbane City Council website](#)

A screenshot of a data visualization interface. At the top, there are tabs for 'Map', 'Data Explorer', 'Fullscreen', and 'Embed'. The 'Data Explorer' tab is selected. Below the tabs is a search bar with placeholder 'Search data ...' and a 'Go' button. To the right of the search bar are 'Filters' and 'Add Filter' buttons. The main area displays a table with columns: '_id', 'METER...', 'CATEG...', 'STREET', 'SUBURB', 'MAX_ST...', 'RESTRI...', 'OPERAT...', 'OPERAT...', 'TAR_ZO...', 'TAR_RA...', 'TAR_RA...', 'LOC_DE...', 'VEH_BA...', 'MC_BAYS', 'MC_RATE', and 'Li'. The data shows 14 rows of records for various parking zones, including details like street names (TICKETL... FORTES... SPRING...), categories (WARRY ST FORIT...), and operating times (MON-FRI 8AM-5PM).

Image: Screenshot The dataset Parking –Meter Location –CSV

source: https://www.data.brisbane.qld.gov.au/data/dataset/brisbane-parking-meters/resource/fb42db12-7c82-40bb-8d3c-4f6119540edc?view_id=99c98aaf-b46b-4b9d-8d69-9bf577e2cb63

Food Safety Permits — CSV[Download](#) [Data API](#)

Report on the total current food safety related permits in Brisbane City Council. Report is a point in time and includes type and location information.

Data Explorer Fullscreen Embed

[Add Filter](#)

Grid Graph Map 8669 records 1 100 »

Search data ... Go Filters

_id	Index	Business...	Business...	Business...	Business...	Business...	Business...	Eat Safe...	Permit ...
1	1	Dolce A...	3/63 Sec...	3/63 Sec...	MANSFI...	-	Rating N...	Food Ma...	
2	2	The Klay...	Shop 5/...	Shop 5/...	TENERIF...	0734220...	Rating N...	Cafe/Re...	
3	3	David's ...	S64, 91 ...	S64, 91 ...	BRISBA...	-	Rating N...	Cafe/Re...	
4	4	Atula Pty...	81 Dara...	81 Dara...	DARRA	-	5	Child Ca...	
5	5	Mrs Luu's	40 Tank ...	40 Tank ...	BRISBA...	0481 21...	3	Takeawa...	
6	6	The Jam...	Shop 12...	Shop 12...	GREENS...	-	4	Cafe/Re...	
7	7	Jacques ...	Shop 2 ...	Shop 2 ...	GUMDALE	-	Rating N...	Cafe/Re...	
8	8	Chrissy...	Mobile F...	Mobile F...	BRISBANE	0419923...	4	Mobile F...	
9	9	Gelatissi...	Brisbane...	Brisbane...	BRISBA...	-	Rating N...	Food Stall	
10	10	Vital Blend	S5, 219 ...	S5, 219 ...	ST LUCIA	-	5	Food Ma...	
11	11	Latin Ma...	56 Mollis...	56 Mollis...	SOUTH ...	-	4	Cafe/Re...	
12	12	15 Hope ...	15 Hope ...	15 Hope ...	SOUTH ...	-	4	Cafe/Re...	
13	13	Friendly ...	73 Mollo...	73 Mollo...	CANNO...	-	3	Takeawa...	
14	14	Nangam ...	Shop 8, ...	Shop 8, ...	SUNNY...	-	Rating N...	Cafe/Re...	
15	15	Woolwor...	25 Samu...	25 Samu...	CAMP H...	-	Rating N...	Delicate...	

Image: Screenshot the dataset Food Safety Permits

sources:<https://www.data.brisbane.qld.gov.au/data/dataset/food-safety-permits/resource/69ed0503-43db-4873-abd6-9fcc500b805b>

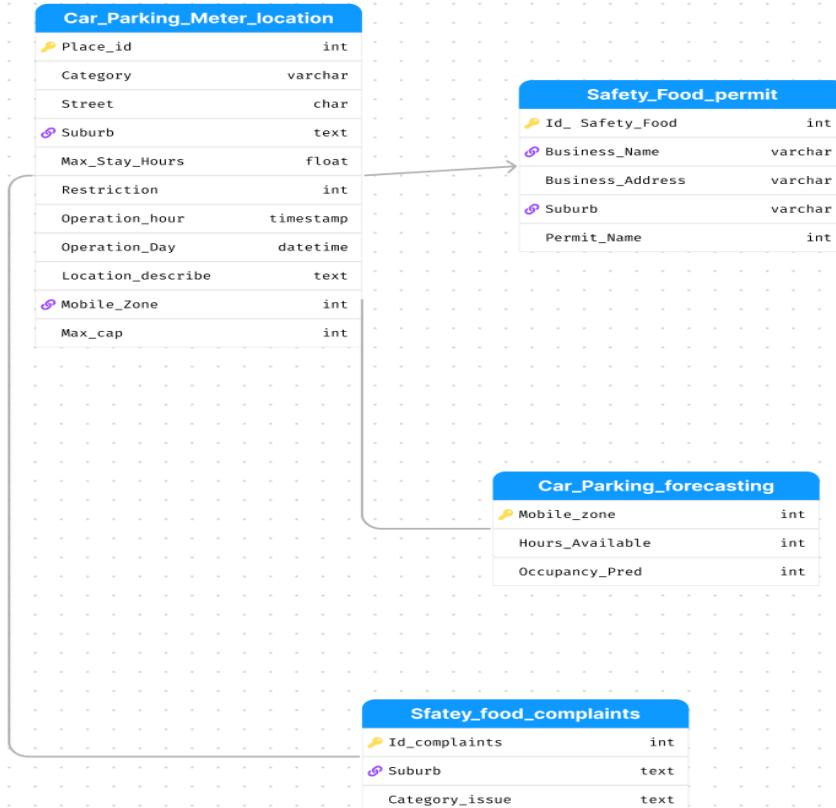


Image: Screenshot mirror of ideal datasets connected

Week 5 Jornal

What I did this week...

This week I learnt basic PHP and understood its usefulness when analysing big data. However, We could not use it in my final project. Meanwhile, I researched the MVP feature that will be added to our project in [paper reviews](#).

Also, I created the 'when2emeet' table to figure out suitable group team meeting times.

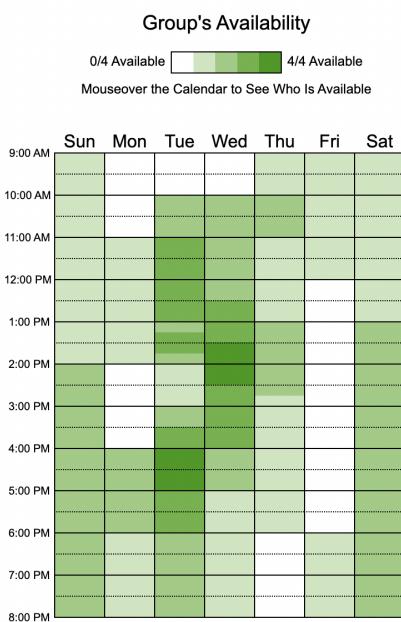


Image: The screenshot shows the available time of our group.

What I plan to do next week...

Ask tutors for help on the workshop on how to connect 3 APIs and how to use a leaflet map to show our restaurant location and parking spots.

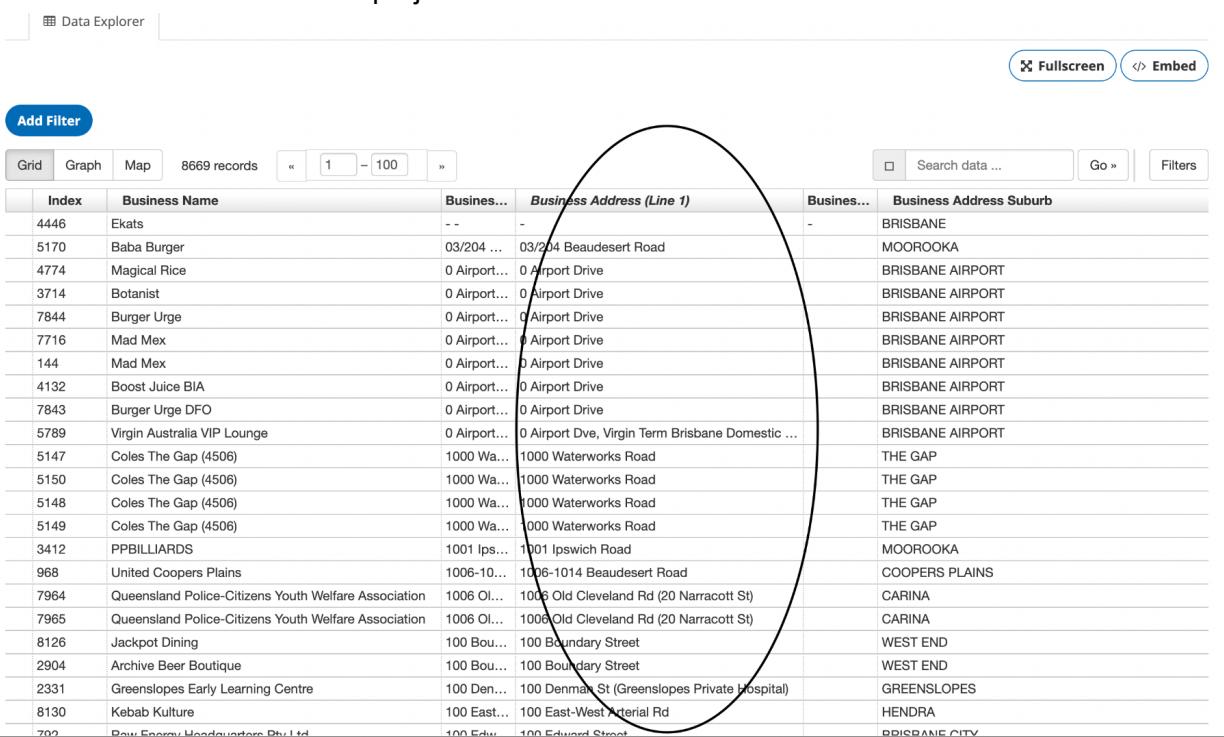
What issues did I encounter during the week that impacted my progress and how I overcame (or plan to overcome) them?

Right now, we have finished our initial prototype.

However, there are some extra APIs we plan to add, such as restaurant photos and restaurant information, to finalise our booking function. Next week, I will ask for some additional free APIs that we can use.

Reflection on the week's progress...

I'm annoyed by checking all the additional APIs data and figuring out how to connect those three data sets. As we found in forecasting datasets, there is no primary key in forecasting data set to connect with the Meter parking location. And each zone area has lots of parking spots. Moreover, the restaurant location (attitude, longitude) needs to show up, so we have to use an extra tool to transfer them in Jason's file into our project.



Index	Business Name	Business Address (Line 1)	Business Address Suburb
4446	Ekats	--	-
5170	Baba Burger	03/204 ... 03/204 Beaudesert Road	BRISBANE
4774	Magical Rice	0 Airport... 0 Airport Drive	MOOROOKA
3714	Botanist	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
7844	Burger Urge	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
7716	Mad Mex	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
144	Mad Mex	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
4132	Boost Juice BIA	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
7843	Burger Urge DFO	0 Airport... 0 Airport Drive	BRISBANE AIRPORT
5789	Virgin Australia VIP Lounge	0 Airport... 0 Airport Dve, Virgin Term Brisbane Domestic ...	BRISBANE AIRPORT
5147	Coles The Gap (4506)	1000 Wa... 1000 Waterworks Road	THE GAP
5150	Coles The Gap (4506)	1000 Wa... 1000 Waterworks Road	THE GAP
5148	Coles The Gap (4506)	1000 Wa... 1000 Waterworks Road	THE GAP
5149	Coles The Gap (4506)	1000 Wa... 1000 Waterworks Road	THE GAP
3412	PPBILLIARDS	1001 Ips... 1001 Ipswich Road	MOOROOKA
968	United Coopers Plains	1006-10... 1006-1014 Beaudesert Road	COOPERS PLAINS
7964	Queensland Police-Citizens Youth Welfare Association	1006 Ol... 1006 Old Cleveland Rd (20 Narracott St)	CARINA
7965	Queensland Police-Citizens Youth Welfare Association	1006 Ol... 1006 Old Cleveland Rd (20 Narracott St)	CARINA
8126	Jackpot Dining	100 Bou... 100 Boundary Street	WEST END
2904	Archive Beer Boutique	100 Bou... 100 Boundary Street	WEST END
2331	Greenslopes Early Learning Centre	100 Den... 100 Denman St (Greenslopes Private Hospital)	GREENSLOPES
8130	Kebab Kulture	100 East... 100 East-West Terrial Rd	HENDRA
702	Dow Energy Woodworkers Pty Ltd	100 Edw... 100 Edward Street	BRISBANE CITY

Image: The screenshot shows there needs to be geography coordination.

Reflect on how the project is progressing. Are you happy with what you've achieved in the last week? How can you improve or sustain this?

This week we only had a few improvements due to that API problem. But luckily, we have set up our group member agreement, so our group works well.

Meanwhile, I quite satisfy what I did last week, as we finished our prototype and set up our primary feathers, concepts and interactive activity, which is sudoku.

Response to the in-class prompt:

Topic:

- Reflect on how your team goes about developing your team agreement.

In the last few weeks' workshops, we discussed how we wanted to build our final project, and everyone chose their strength. Then we will continue to the doors. So far, we can communicate well and respect each other's ideas. We can work well to achieve what we expect.

Team Communication:

The team's primary communication will be:

Whatsapp (optionally: email, messenger).

For emergencies (last-minute changes etc.), the team agrees to use: **phone and WhatsApp.**

All members will check their email regularly (multiple times a day) to ensure they are up to date with the project.

All members agree to respond to email/phone/other communication on time.

All members agree to communicate effectively and treat each other with respect and consideration.

All members agree that where criticism is required, it is to be given in a constructive & respectful manner.

Team Meetings:

We will meet weekly at these times (day/time): **Tuesdays at 16:00**.

This team agrees that **20** minutes is a good time and an excellent meeting time.

If a member cannot attend a scheduled appointment or contact, they will inform the team by **email**; if a person knows that he won't be able to participate, they must report at least **24 hours** in advance.

- What expectations did you introduce to the team?

1. Help each other if someone has a misunderstanding within a brief
2. We brainstormed together and improved our concept
3. Act as a team, meaning collaborating and helping each other

Workshop:

During this workshop:

- a. Setting up a Local Development Server
- b. Exploring PHP on a local setup
- c. Errors in PHP
- d. A previous example of PHP

Questions: Answered by background highlight

» What tags are used to start and end the PHP code?

<?PHP > ?>tags with a basic HTML page

» Which built-in function is used to display content in the document?

Echo function

» What two things are common about naming all PHP variables?

In PHP, a variable starts with the \$ sign, followed by the variable's name, and names are case-sensitive (\$age and \$AGE are two different variables).

» Is + or. Has it been used to concatenate (join) strings?

```
<?php  
$arr = array('Hello', 'World!', 'Beautiful', 'Day!');  
echo join(" ", $arr)."  
";  
echo join("+", $arr)."  
";  
echo join("-", $arr)."  
";  
echo join("X", $arr);  
?>
```

» What does JavaScript use to concatenate strings?

Concat() is a string method used to concatenate strings together.

» Does it matter if we use double quotes “ or single quotes ‘ for strings?

No matter that “ ” and.“

» How do you change the built-in date() function to display the date as DD/MM/YYYY?

```
const result = new Date('2022', '8', '28').toLocaleDateString('en-GB');  
console.log(result); // 28/08/2022
```

» What do comments look like in PHP?

PHP supports both one-line and multi-line comments. A one-line comment starts with the # or //.

A multi-line comment begins with /* and ends with */.

» What do you see when you view the webpage source in the browser?

Web developer

» What about HTML versus white space in the code?

HTML treats blank or white spaces identically. This means that if there is a white space of a single character in HTML code or a large gap between sentences or tags, HTML will take it as a single character blank space.

» How do you know what errors might be in your PHP code?

The display_errors directive can be set to " on " in the PHP. ini file. This will display all errors, including syntax and parse errors, not indicated by only calling the ini_set function in the PHP code

» Add an HTML heading to line 59, save the document and refresh it in the browser. What happens?

It shows the same as we see on the website in the HTML version.

```

<body>
<section id="records">
<?php

    function getYear($year) {
        if ($year) {
            preg_match('/[\d]{4}/', $year, $matches);
            return $matches[0];
        }
    }

    // PHP errors are hidden by default, but we can turn them on
    ini_set("display_errors", 1);
    error_reporting(E_ALL ^ E_NOTICE);

    // Concatenate an API URL including all parameters inline
    $api_url = 'https://www.data.qld.gov.au/api/3/action/dataset_search?resource_id=9eaeceeb-e8e3-49a1-928a-4df76b059c2d&limit=1000';

    $data = file_get_contents($api_url);

    /*
     *   Decode the JSON provided by the API
     *   "true" decodes the JSON as an array rather than an object
     */
    $data = json_decode($data, true);

    // print_r outputs the array in a readable format. Remove the comment to see what it looks like
    //echo "<pre>" . print_r($data, true) . "</pre>";

    // Check if $data is an array that we can iterate over

    if(is_array($data)) {

        // Iterate over the records in the array
        foreach($data["result"]["records"] as $recordKey => $recordValue) {

            //echo "<pre>" . print_r($recordValue, true) . "</pre>";

            // Specify variables for specific data
            $recordTitle = $recordValue["dc:title"];
            $recordImage = $recordValue["150_pixel.jpg"];
            $recordDescription = $recordValue["dc:description"];
            $recordYear = getYear($recordValue["dcterms:temporal"]);

            if($recordTitle && $recordImage && $recordDescription) {

                // Output HTML for a record with variables included
                echo "
                <section class='record'>
                    <h2>{$recordTitle}</h2>
                    <h3>{$recordYear}</h3>
                    <img src='{$recordImage}'>
                    <p>{$recordDescription}</p>
                </section>";
            }
        }
    }
}

```

Image: Exercise 4:get, the year from the date of the record and function, takes a date string and uses regex to return a 4-digit year out of it

Week 6 Jornal

What I did this week...

This week, we held our first presentation and end of our production, we received our critiques. I charge a summary of my group's reflections into a final report.

The screenshot shows a Google Docs page titled "PRESENTATION FEEDBACK". The main content area contains a section titled "Provide short feedback to the below critique (2 per 1 student)" with a due date of "Wednesday 18:00 PM". Below this, there are four numbered points of feedback from users ALEKS, Carrie, and Carrie Wang. To the right of the main content is a "Version history" sidebar, which lists all 7 edits made to the document, showing contributions from Carrie Wang and All anonymous users. The sidebar also includes a "Show changes" checkbox.

Date	User
8 September, 21:42	All anonymous users
8 September, 21:42	Carrie wang
8 September, 18:14	Carrie wang
8 September, 16:54	Carrie wang
8 September, 15:32	Carrie wang
7 September, 17:35	All anonymous users
7 September, 17:35	Carrie wang
7 September, 07:54	All anonymous users
6 September, 12:15	All anonymous users
5 September, 16:34	All anonymous users
5 September, 16:16	Carrie wang

Image: The screenshot shows a critiques report summary from Google Docs

What I plan to do next week is include specific plans I want to achieve for the week ahead.

Please email Yelp to get permission to use their API and find the appropriate theme of the game instead of sudoku, as some of the audience's feedback states that it could be a better game that suits our project.

What issues I encountered during the week impacted my progress, and how I overcame (or plan to overcome) them?

The same issue that continues to come this week is transferring extra API on restaurant information, photos and customer feedback. So far, we have faced the problem of achieving the booking function, which requires using the restaurant's phone number or website to let users book services on their own. However, some of the restaurant's phone numbers are in Safe food permits datasets, and some still need to be included.

In the end, we decide if there is no free extra API we can use in our project, we will only provide existing phone numbers from Safety food permits datasets.

Reflection on the week's progress...

I am still looking for the permit APIs we can use; I sent the email to Yelp but waited for a response for four days.

Reflect on how the project is progressing, happy with what I've achieved in the last week, and how I can improve or sustain this.

After the presentation, we found most of the audience gave us positive feedback and understood our concepts. So far, I am happy with what our group has achieved. However, we must change some game sections and presentation styles.

In the following presentation, we will change our display to make details as possible as some of the content we did not mention on the show, and also change the game to a Car background to fit our project.

Response to the in-class prompt:

Studio

This Week

Proposal Presentations

Files:https://docs.google.com/presentation/d/1ykDIZEIUICFU3XylnHCgd4sKE77FCfcgsxGWQn9YK4w/edit#slide=id.gc6f80d1ff_0_27

Critique 1

https://docs.google.com/document/d/10MgILj5eZL0qiby_oQ9Ehh27mypVvv7GLDiHqHmGujw/edit#

Topic:

❖ Concerning our Design Computing Project considers the Interaction
Design concepts discussed during this lecture & How are these
concepts applied to my project?

Unfortunately, some parts of our concept have yet to be introduced during the presentation. For instance, the entertainment part is where children engage with an app by playing a Sudoku game. In addition, we could have illustrated the primary interaction points, such as a navigation map that shows distance and parking directions.

In addition, the very definition of "Food Safety" wasn't discussed. Thus, audiences were left with mixed feelings. As a solution, we may avoid confusion by clearly defining the meaning of food safety and also explaining the cause and effect of food poisoning (government regulations, producers, suppliers, and consumers).

From the communication perspective, the slides could have been more deeply connected - more thorough, logically linked and visually appealing.

Design + Technology + People=Interaction

❖ Interaction and our design

The ***definition of Interaction*** of design:

Interaction design aims to create products that enable the user to achieve their objective(s) in the best way possible.

Interaction design concepts to consider :

Structure: Meaningful organisation of content and function

Mapping: Good mapping helps the user make sense of scope and function —>we created two ***search bars*** at the top of our website to let users can easily research where they want to go and pick a preferred restaurant

Affordances: properties of the object suggest action signals to action—>In this section, we plan to give more information on parking spaces and restaurants when users click the photo and parking spaces

Orientation: Let the user know where they are. Make it evident when the user is 'moving' & has moved. Always provide a 'way-out'---> In this section, we plan to ***add some buttons*** like '***back "next***' to let users flexibly go back or go ahead with the page they just looked through.

Visibility: Let the user see what functions are available. Keep frequently used controls visible/open Make rules obvious Use contextual menus Recognition rather than recall

—> To make more visibility, we aim to use some location icons to show the parking spaces and restaurants and to

Feedback: Respond to user input. Give the user information about The state of the application, What action has been done, The outcome of the activity What they are about to do —>In this section, we aim to create a **feedback page or a function** that users could give us suggestions for futures user experiences, or leave some **social media connections method** to let they could connect us easier.

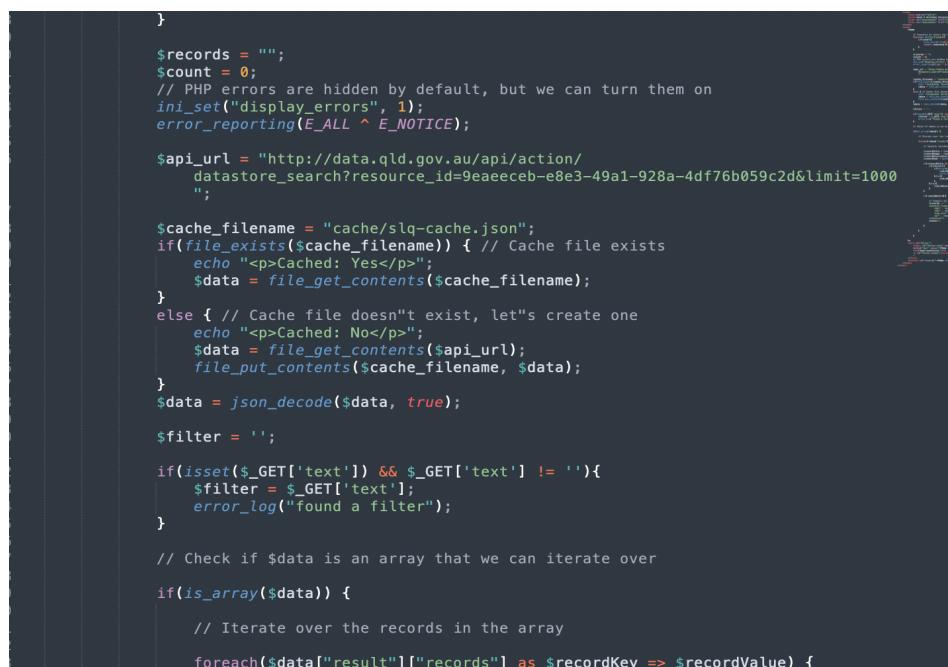
Error prevention: Users will always make mistakes. Inform the user of the consequences. —> this is a good reminder that we aim to create a pop-up **message warning** when the user clicks the wrong stuff or if the user wants to change the parking space; we should give the customer a **chance to change their previous opinions.**

Language: Written, spoken, and visual Use language your users will understand. To do this, you need to know your audience, User- not system-oriented—> For this section, we aim to use **casual spoken** language to show the error information.

Consistency: In structure In, function In appearance, Stick to well-established conventions – since there is no sign-in function, we aim to create a process or system that lets **users save parking spaces and restaurants on their devices.**

Workshop:

- During this workshop:
 - Caching and Filtering
 - PHP Templating



```
}

$records = "";
$count = 0;
// PHP errors are hidden by default, but we can turn them on
ini_set("display_errors", 1);
error_reporting(E_ALL ^ E_NOTICE);

$api_url = "http://data.qld.gov.au/api/action/
    datastore_search?resource_id=9eaececb-e8e3-49a1-928a-4df76b059c2d&limit=1000
    ";

$cache_filename = "cache/slq-cache.json";
if(file_exists($cache_filename)) { // Cache file exists
    echo "<p>Cached: Yes</p>";
    $data = file_get_contents($cache_filename);
} else { // Cache file doesn't exist, let's create one
    echo "<p>Cached: No</p>";
    $data = file_get_contents($api_url);
    file_put_contents($cache_filename, $data);
}
$data = json_decode($data, true);

$filter = '';

if(isset($_GET['text']) && $_GET['text'] != ''){
    $filter = $_GET['text'];
    error_log("found a filter");
}

// Check if $data is an array that we can iterate over
if(is_array($data)) {
    // Iterate over the records in the array
    foreach($data["result"]["records"] as $recordKey => $recordValue) {
```

img1:Inside, use the `file_get_contents()` PHP function to get data from your API call: Displaying the Results, which then now use loop through the `$data` array. The records are stored within `$data['result']['records']`, so we need to go further into the collection before looping.

```

if(isset($_GET['text']) && $_GET['text'] != '') {
    $filter = $_GET['text'];
    error_log("found a filter");
}

// Check if $data is an array that we can iterate over

if(is_array($data)) {

    // Iterate over the records in the array

    foreach($data["result"]["records"] as $recordKey => $recordValue) {

        // Specify variables for specific data

        $recordTitle = $recordValue["dc:title"];
        $recordImage = $recordValue['150_pixel_jpg'];
        $recordDescription = $recordValue["dc:description"];
        $recordYear = getYear($recordValue["dcterms:temporal"]);

        if($recordTitle && $recordImage && $recordDescription) {
            if($filter){
                if(strpas($recordTitle, $filter) !== FALSE){
                    $validRecord = true;
                    error_log("found a valid record");
                }else{
                    $validRecord = false;
                }
            }else{
                $validRecord = true;
            }
        }

        if($validRecord){

            // Compile all results into variable for use later
            $records .= "
<section class='record'>
    <h2>" . $recordTitle . "</h2>

```

Img2: setup variables for critical data: \$recordTitle = \$recordValue['dc: title']; \$recordImage = \$recordValue['150_pixel_jpg']; \$recordDescription = \$recordValue['dc: description']; » Use a conditional statement to check they all have “true” or non-empty values: if(\$recordTitle && \$recordImage && \$recordDescription) {}

Week 7 Jornal:

What I did this week...

This week I created one page of our website. The first is the booking function, which includes the calendar, parking duration and forecasting parking lot information.

Select Date

Choose your desired day by clicking or drag the bar
to your prefered area to see multiple days

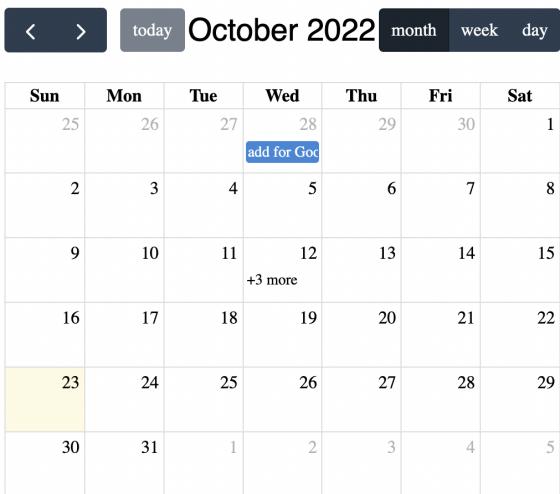


Image: A screenshot from our project shows a calendar that users could edit, such as adding events and dragging to select the duration of the date

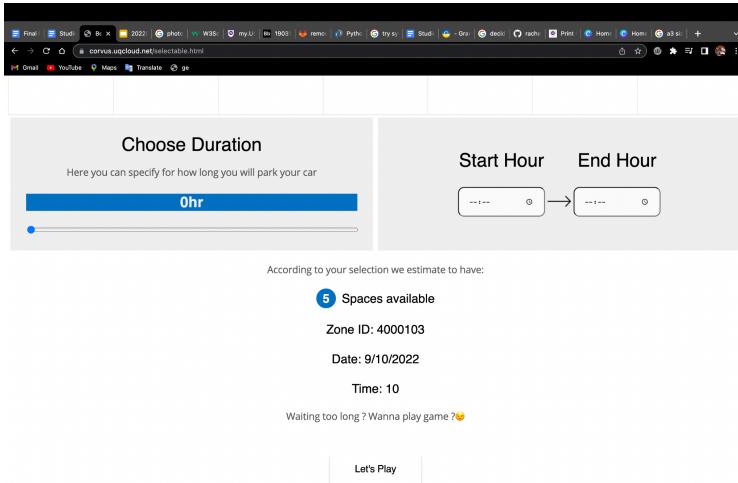


Image: Screenshot from our project to show time duration and car parking forecasting information.

What I plan to do next week...

Prepare for next week's low-fi prototype for our group project and finish the page with the restaurant information details.

What issues you encountered during the week impacted my progress, and how I overcame (or plan to overcome) them.

I am excited that we have dealt with adding one API to our project and all the essential design materials we already had. The next step is to summarise how users react during our low-fi prototype, and we can improve both technical and design aspects.

Reflection on the week's progress...

This week our group has finished adding one API to our project. We spent almost four weeks only could add one API. I will assist our development members.

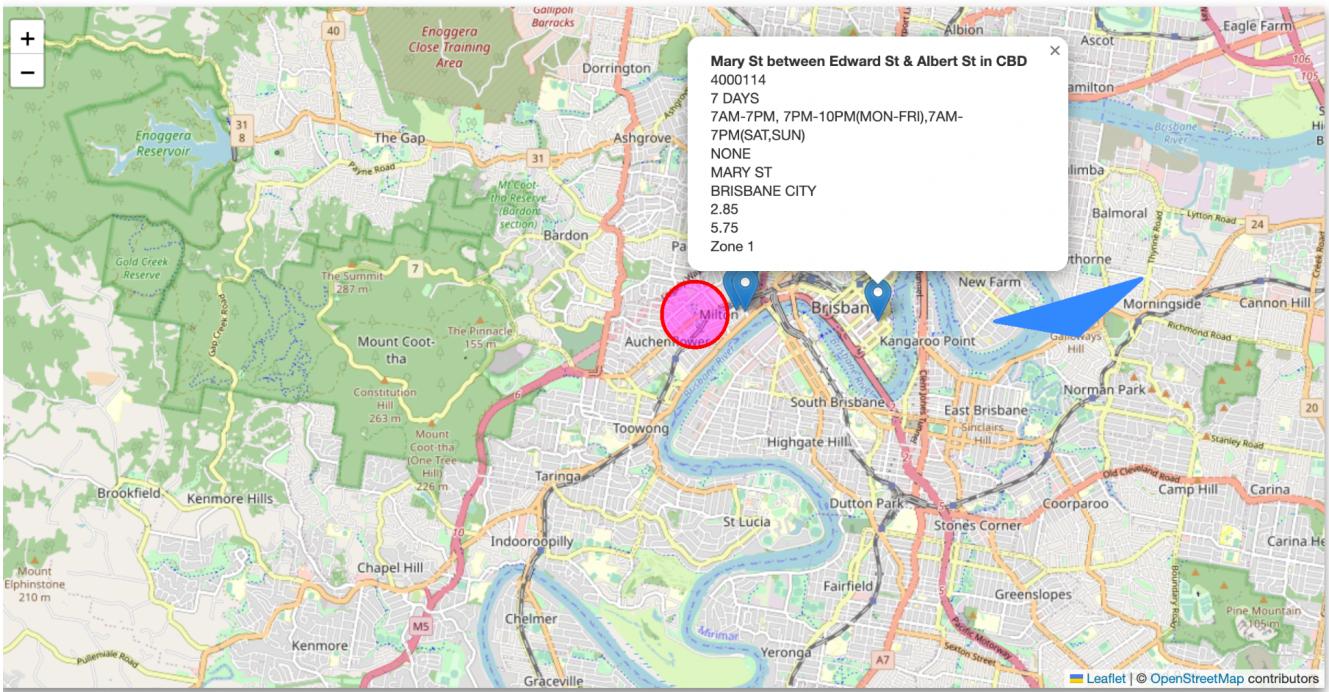


Image: Screenshot of our first API added to our project

Response to the in-class prompt :

Contact:

Planning for Implementation

For the testing purposes we

1. Figure out what problem we want to test - primary objective
During the user testing session we would like to ask participants to
2. Discuss our roles during the testing session - who will do what
3. Finalize the prototype - Yoto had questions/suggestions that require our attention
4. What research methodologies we will use
5. Decide how many testing sessions we need in total - (example 1 test = 10 min)

Prototype Slide Link:

<https://docs.google.com/presentation/d/1H4G26mw4DLmFC1JAb033skdpJr5nEWX/edit#slide=id.p5>

Methodologies

During Testing Session / 2 hours / 10-15 minutes per session / 5-7 tests

1. Yoto: helping participant to navigate slides
2. Carrie: Observations (taking notes on participants emotional response, body language, facial expression)
3. Danny: Time on Task (take notes on how much time it takes to complete a task)

After Testing Session

4. Aleks: User Interviews (come up with question to evaluate the problem with the concept)
5. Aleks: Survey (rate the experience on a scale from 1 to 5)
6. Joe record video during test

Image: The tasks, methodologies and propose we required during the user prototype

❖ Patterns seen or used:

Drop-down menus allow users to select items from a list of things and are great for autofill or suggestions inside search boxes. T, previous for profile information inside web application icons.

The card pattern is versatile and can be used in almost every application I can think of. Cards can contain any information, including images and text, headlines, buttons, graphs, you name it. Various information n the same content highlights the report.



Image: Drop down

<https://www.justinmind.com/ui-design/drop-down-menu-ux>

Breadcrumbs can be beneficial when users stay aware of a complex network of content screens and pages. They allow users to see their current location, previous selections, and entries across the screen. On a web application, we have the main menu, a drop-down menu, and internal links.

The hamburger menu is also a sound pattern that can be found in the top corner of a website or an application. It can be used to explore more things beyond the lines or the confines of the screen.

Menu Icon:



Image: Hamburger icon

https://www.w3schools.com/howto/howto_css_menu_icon.asp

A carousel content I have used before is a widespread UI element that lets users browse through ranges like images or cards. They can be used inside websites or web applications where users can see multiple photos and tap on them.



Image: Carousel content

<https://www.theme-junkie.com/instagram-carousel-templates-examples/#:~:text=Coffeea%20Instagram%20Carousel%20Template>

Pagination contents are how we navigate between numerous pages of information and are usually found near the bottom of an interface. They are represented by multiple dots and change the active State as the user swipes through the content.

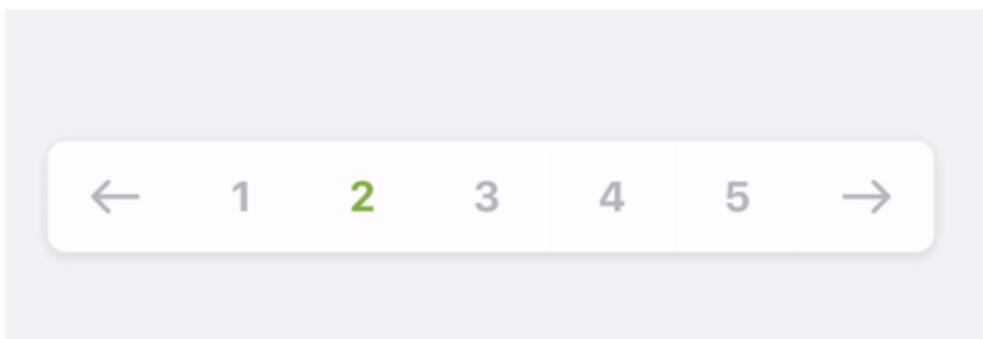


Image: Pagination contents

<https://dribbble.com/shots/3930339-Simple-pagination>

Input fields like input forms are where users will input their information to complete specific processes.

When I first created the website, the conditions used in login and sign-in functions were in my website. They can have active, inactive, error, and confirmation states and different ways to style them.

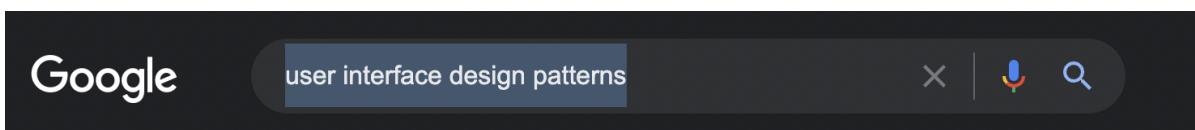


Image: Google search engine

They can be dressed up any way users want to improve the user experience, but usually, they are square round with lines, icons inside or no heroes. A toggle switch is also what I used before. It is a simple way to turn something on and off. [Https://uxplanet.org/toggle-switch-5-simple-design-tips-for-better-design](https://uxplanet.org/toggle-switch-5-simple-design-tips-for-better-design)

- ❖ In our project, we used the following:

Calendar picker:

As we need to let users pick up a day they would like to dine out and book the restaurant places, we created the calendar picker so that users can edit the date by themself.

Input form:

Select Date

Choose your desired day by clicking or drag the bar to your preferred area to see multiple days

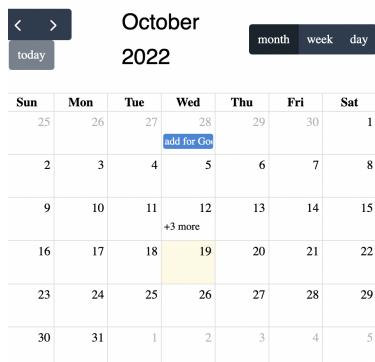


Image: data picker from our project to show the flow we used

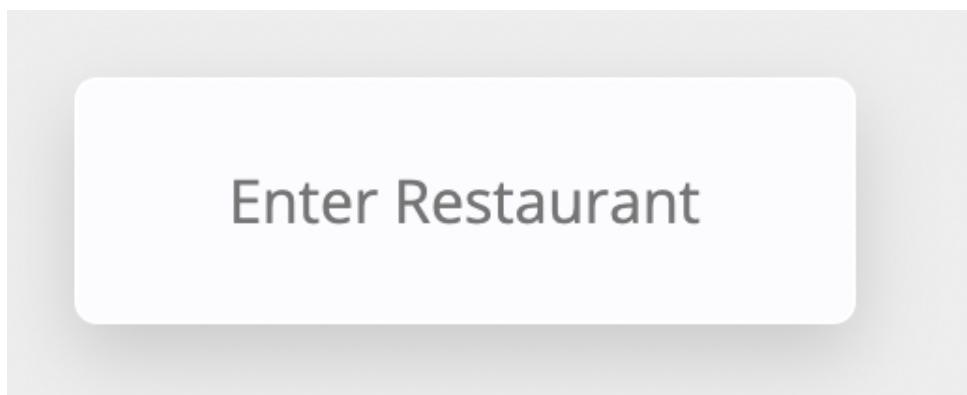


Image: example shows the input form flow

We use the input form to let the user search the nearby restaurants and parking lots and add the padding to make it a 2D version.

Workshop:

```
function get_parking_api(restaurant_lat,restaurant_lon){  
    var slqData = JSON.parse(localStorage.getItem("slqData"));  
    //var slqData = JSON.parse(sessionStorage.getItem("slqData"));  
  
    if (slqData) {  
        console.log("Source: localStorage");  
        console.log(slqData)  
        //iterateRecords(slqData);  
        parking(slqData,restaurant_lat,restaurant_lon);  
    } else {  
  
        var data = {  
            resource_id: 'fb42db12-7c82-40bb-8d3c-4f6119540edc',  
            limit: 906  
        }  
  
        $.ajax({  
            url: 'https://www.data.brisbane.qld.gov.au/data/api/3/action/datastore_search',  
            data: data,  
            dataType: "jsonp", // We use "jsonp" to ensure AJAX works correctly locally (otherwise XSS).  
            cache: true,  
            success: function(data) {  
                console.log("Source: API");  
                localStorage.setItem("slqData", JSON.stringify(data));  
                //sessionStorage.setItem("slqData", JSON.stringify(data));  
                //iterateRecords(data);  
                console.log('first get api');  
                console.log(data);  
                parking(data,restaurant_lat,restaurant_lon);  
            }  
        });  
    }  
};
```

Image: shows the js code with using in our project.

This week's workshop is dedicated to project support:

In this section, we asked the tutor how to combine (parking API and restaurant APIs), which makes lots of sense in our project when the user searches for a restaurant and gets the parking lot information.

Week 8 Jornal:

What I did this week...

- In this week's studio, we had a low-fi prototype user testing, and I summarised what we found during the user testing prototype. I was charged with recording all user's reactions and then sent them into our group chat.

Summary from User Testing / Key insights:

1. · Booking both is hard and not very intuitive. Quite small UI.
2. · Just supporting information – no function to support the user flow
3. · Add more engaging and creative
4. · Average parking capacity
5. · One search bar is enough
6. · More explanation under the searching function – keyword
7. · More information about restaurants
8. · Home screen (3 restaurants & 4 parking)
9. · List view is helpful but not necessary
10. · Description must be clear

Image: Screenshot from our Google docs on what we got during user testing

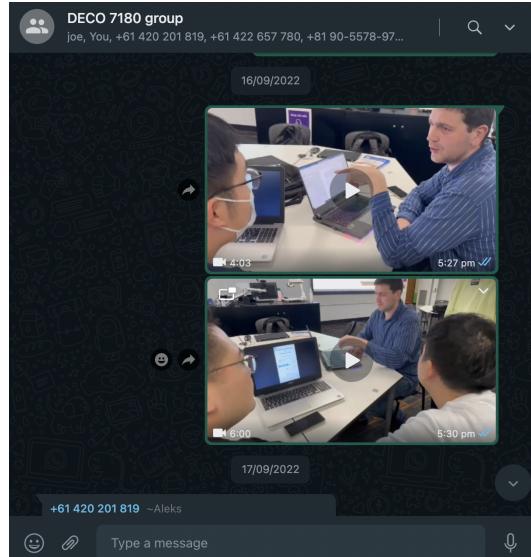


Image: Screenshot from a group chat sharing user testing videos with other group members

- Prepare for next week's presentation.

Key challenges and obstacles



- **Filtering Data**

What do you think which kind of information is to be of high priority when people search for a restaurant?

- **Food safety ranking**

How to convince public that 3/5 restaurant rating is good?

- **Target audience**

How to help families in the early stages of decision making?



9

Image: Screenshot from the group's last presentation slides

What I plan to do next week...

Summary critiques after our presentation and familiarise yourself with the leaflet map on how to add and edit icons on locations. Find three articles on proving our application's design flow. The page restaurant safety details need to be finished.

What issues you encountered during the week impacted your progress, and how did I overcome (or plan to overcome) them.

This week the task is to connect two APIs, which still needs to be achieved.

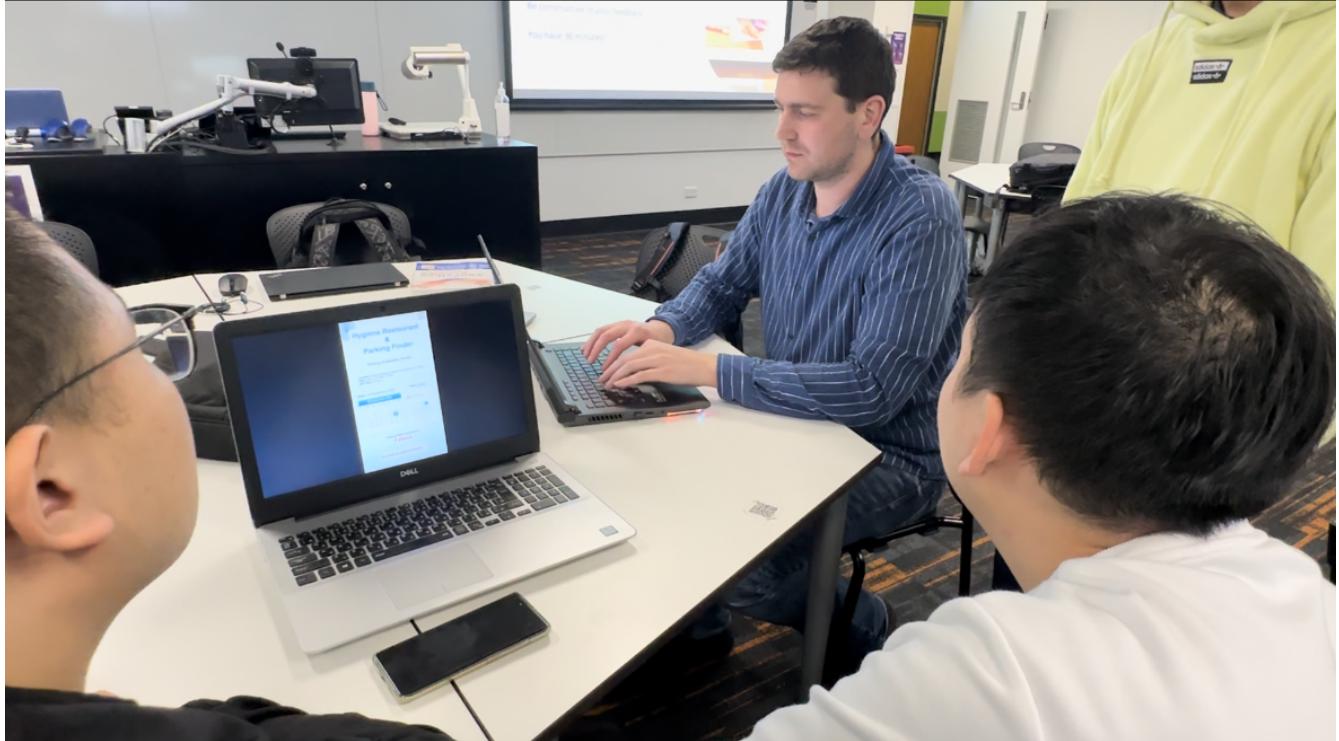
Reflect on how the project is progressing...

This week we have completed a lot for our project; we have finished setting our MVP functions and preparing our presentation slides, and each member worked together very well. I will also complete the website page with the restaurant safety score details.

Response to the in-class prompt:

Studio:

Preparation for Low-Fi Prototype Evaluation



Low-fi Prototype file:

https://docs.google.com/presentation/d/e/2PACX-1vStjvo9UnTzVKJwE2WRKV9il_1t9a3f8LITcMDAIFJgiD7cB2EsdhtgSnkh-XnDQ/pub?start=false&loop=false&delayms=3000

Videos user Test videos:

https://drive.google.com/file/d/1ZQeN_hJj5ZfFM3gVckXV0Ajw8LpR4D0t/view?usp=drivesdk

<https://drive.google.com/file/d/1CBN0b0ICohGMpLBt7cAYRv3ybo0vBSCZ/view?usp=drivesdk>

<https://drive.google.com/file/d/1Dyum9rsslOnRH2rwjNXa-QfFV0FtQ6g4/view?usp=drivesdk>

Workshop:

- Explore the [Brisbane Foodtruck API](#)
- Creating a database
- Storing data in the database

- Retrieving data from the database
- ToroPHP
- Displaying the data

The screenshot shows the phpMyAdmin interface for the 'trucks' database. The left sidebar shows the database structure with 'Tables' expanded, showing 'truck'. The main area displays the 'truck' table structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	truck_id	int(11)	utf8_general_ci		No	None			Change Drop More
2	name	text	utf8_general_ci		No	None			Change Drop More
3	slug	text	utf8_general_ci		No	None			Change Drop More
4	category	text	utf8_general_ci		Yes	NULL			Change Drop More
5	bio	text	utf8_general_ci		No	None			Change Drop More
6	avatar	text	utf8_general_ci		No	None			Change Drop More
7	cover_photo	text	utf8_general_ci		No	None			Change Drop More
8	website	text	utf8_general_ci		Yes	NULL			Change Drop More
9	Facebook	text	utf8_general_ci		Yes	NULL			Change Drop More
10	Instagram	text	utf8_general_ci		Yes	NULL			Change Drop More
11	Twitter	text	utf8_general_ci		Yes	NULL			Change Drop More

Below the table, there are buttons for 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'. A 'Print' button is also present.

Img1: Created the table of each entities

The screenshot shows the phpMyAdmin interface for the 'foodtrucks' database. It displays two tables: 'sites' and 'bookings'.

sites Table Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	site_id	int(11)	utf8_general_ci		No	None			Change Drop More
2	location	text	utf8_general_ci		No	None			Change Drop More
3	geolocation	point			No	None			Change Drop More

bookings Table Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	title	varchar(500)	utf8_general_ci		No	None			Change Drop More
2	truck_id	int(11)			No	None			Change Drop More
3	site_id	int(11)			Yes	NULL			Change Drop More
4	start	timestamp			Yes	NULL			Change Drop More
5	finish	timestamp			Yes	NULL			Change Drop More
6	location	text	utf8_general_ci		Yes	NULL			Change Drop More
7	geolocation	point			Yes	NULL			Change Drop More

Both interfaces show similar sets of buttons for 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Spatial', and 'Fulltext'.

Image 2,3: Created the table of each entities

- What experience have you had with the flow?

Amazon shopping experience as a person

Project: parking found with the map popup text section

- As a person experiencing and designing flow?

Amazon shopping experience as a person:

I usually like to surf the internet. I noticed Amazon's navigation bar has multi-access navigation of products, especially when zooming in on screen size. Furthermore, the drop-down menu provides a descriptive overview of each section in the menu.

Next is the function called similar items of products and recommendations. I feel so surprised each I search for the products.

Meanwhile, it always pops up a list similar to my items below, which usually helps to explore more products and sometimes I even can get a lower price to get the same things.

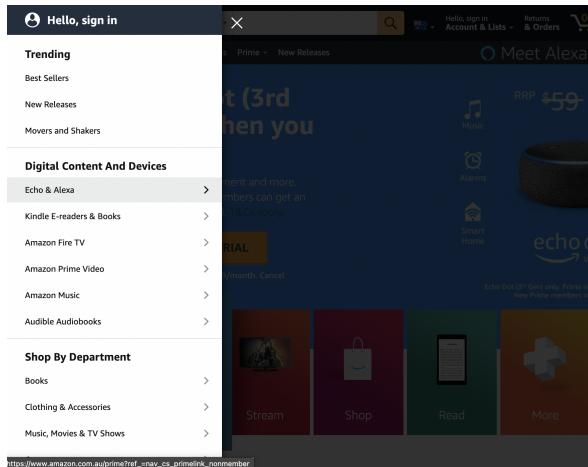


Image1: Amazon navigation bar with multiple sections and a drop-down menu

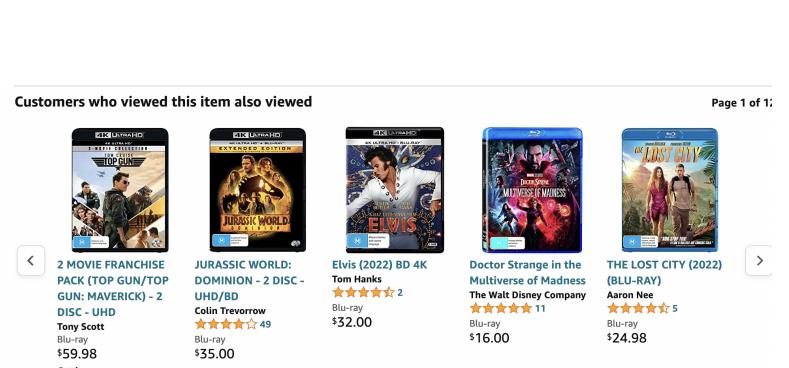


Image 2: Amazon commendation list

Team meeting agenda:

- Target Audience - Aleks
- Purpose Data - Carrie
- User Interaction – Danny (scenario and storyboard)
- Justification for concept (background research) - Yoto
- Team (role, responsibilities) – Joe
- Call for feedback – future improvement - Aspects of things we are not sure about. We would like an alternative perspective - concerns,

Presentation table - Design Focus Presentation +5 Minutes

1. Introduce ourselves (We are a team CORVUS) —>10s
2. **Aleks**) Introduce target audience including purpose > 1 min
3. **Aleks**) Justification (research, user interviews) > 40sec
4. **Danni**) User interaction - show design (figma, storyboard) and explain how users interact with our concept > 2mins (main part – our functions and advantage)
5. **Carrie & Joe**) 1min explain why Datasets used to solve problems : 3 datasets not explain how it connects 0

Call for feedback - ask questions related to future direction. +5 min

- Based on the feedback Parking — Occupancy forecasting - won't work, due to the lack of real time data. How and with what to replace it? Solution - convert into % occupancy.
- Looking for a restaurant safety list can be difficult - where to find a list of restaurants
- Should we create a booking function to reserve table at a restaurant and book parking place
- What if a restaurant has its own parking place? During peak times, there is a
- What is the difference between Google & our solution?

Next meeting **Thursday**: 16:00 - 16:50 - prepare presentation slides.

Image: Screenshot: the schedule of the Next week's Presentation and set next Meeting time

Week 9 Jornal:

What I did this week...

In a [paper review](#), I researched three articles on proving games beneficial for car parking applications. This is because when we received the critiques, they thought the game added to the car parking application might damage drivers driving journey.

What I plan to do next week...

Finished the summary of the critique report before next week Tuesday

What issues I encountered during the week impacted your progress, and how I overcame (or plan to overcome) them.

One of the most significant issues I faced recently was time crushed as so many assignments are coming up together. Everything around, I create a to-do list that put all my recent assignments and lecture into my iCloud to remind me.

Reflection on the week's progress...

We finished our last presentation this week and watched other groups' work. I feel we need to hurry up to complete our project.

Response to the in-class prompt:

Studio:

Team Presentations

Each team will present their Work in Progress Milestone to the class during the studio sessions. Sections will show up in their scheduled studio session. Students will provide critiques to other groups in their studio sessions.

Files:

Critique 2

<https://docs.google.com/document/d/1BefefQHoPrZ64DshGqqMFMXrbGJMKMjEbEBSxUIpiLs/edit>

Final Presentation with Website link

<https://docs.google.com/presentation/d/1Xzs-d3XwZsKayNmzlhtN3IGHcZ3Zqn1h/edit#slide=id.p2>

Presentation orders and tasks:

Aleks: leading the team and ensuring everyone stays on the correct path, academic research into existing technologies

Danni: primary note taker during team meetings, researcher and facilitator during the user testing session

Ruobing: Analysis of findings: user test evaluation and datasets research, designer of high fidelity prototype

Yoto: design the prototype, ensuring that it aligns with the established guidelines, research the concept and gather user feedback

Jialiang: implementation of JavaScript to connect API, developing HTML & CSS web applications, coding related tasks

Below are photos: of other groups' presentation pages as reference

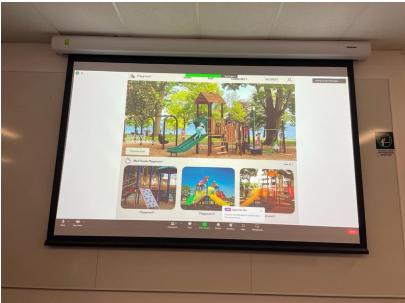


Image: 1

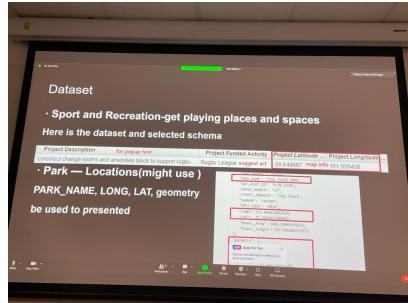


Image 2

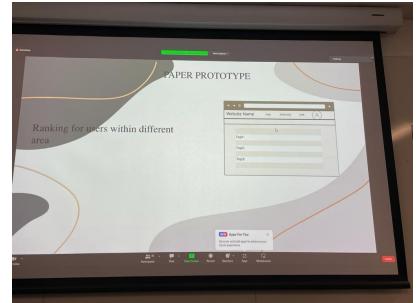


Image 3

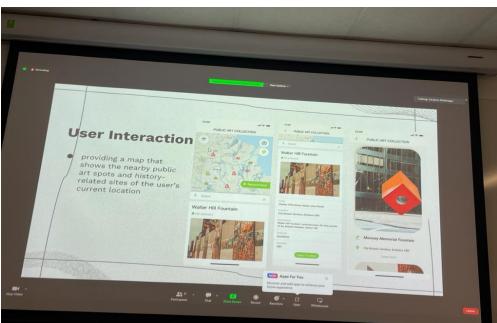


Image 4

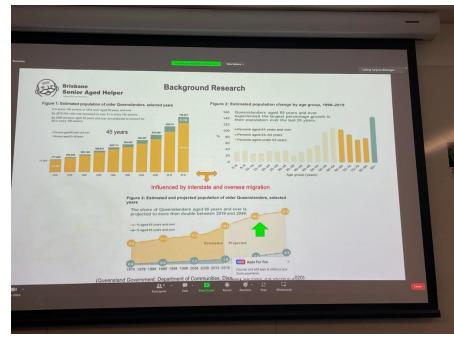


Image 5

Summary: topics:

Reflection on other groups' presentations:

Insights from other groups' ideas and exhibitions; I can see that most of them use lots of APIs and fantastic views. One of them that influenced more is the use of cities' hotspot APIs to show the all famous where buildings set around Brisbane, and users can take photos and upload them so that users can share their ideas and views.

Furthermore, it reminds me to think about how our group improves user experience; when I first generated the idea of this project, I was thinking of creating a game that makes users feel relaxed. And most of my peers believe excited and agreed with our views of this concept during this presentation. However, after the presentation, when we checked the feedback received, it shows a few students needed clarification about why we needed a game in the parking app. Is that safe when drivers play games during driving? Well, those questions made me so dizzy for a while. Since we have explained clearly during the presentation, it still needs to be clarified for the audience.

What I learned from others:

This presentation differed from what I expected, and communication between our group members should also be considered for the following weeks. We are a multicultural team, and sometimes the language is one of the critical obstacles between us.

Meanwhile, we should understand the users instead of letting users understand us so that we can do a good project.

One of our critiques was a lack of eye contact with the audience. On the other hand, after reviewing other teams' presentations, our group should make more visual tools to attack the audience's eyes, such as more images instead of words. In the following production, I will observe the audience's reactions, which can help us learn about users' emotions and give us hints about pimplies for the next few weeks' projects.

Week 10 Jornal:

What I did this week...

I finished coding the restaurant safety score information page details.

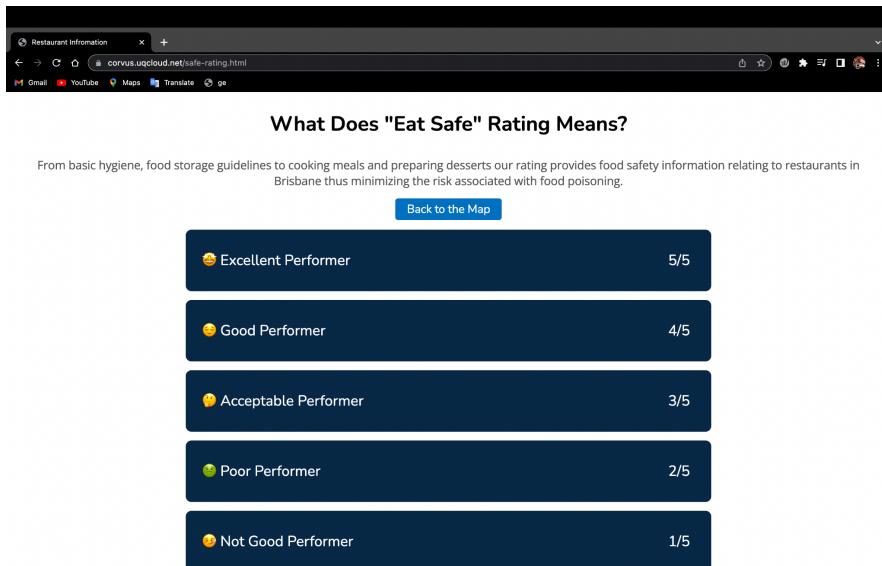


Image: Screenshot from our project on restaurant safety score information

```
<body>
  <button class="back" onclick="history.back()"->648592 Restaurant Details</button>
  <h2>From basic hygiene, food storage guidelines to cooking meals and preparing desserts our rating provides food safety information relating to restaurants in Brisbane thus minimizing the risk associated with food poisoning.</h2>

  <article id="starratinginformation" class="starratinginformation">
    <section id="group55" class="group55">
      <article id="card-foodrating1" class="card-foodrating">
        <aside id="shape" class="shape"></aside>
        <section id="text1" class="text">
          <p>1</p>
        </section>
        <article id="layout1" class="layout1">
          <nav id="text2" class="text2">
            Eat Safe Rating</nav>
          <nav id="text3" class="text3">
            Excellent Performer</nav>
        </article>
        <article id="text4" class="text4">
          5/5</nav>
        </section>
      </div> One section-->
    <section id="group56" class="group56">
      <article id="card-foodrating2" class="card-foodrating2">
        <aside id="shape2" class="shape"></aside>
        <section id="text5" class="text5">
          <p>2</p>
        </section>
        <article id="layout2" class="layout2">
          <nav id="text6" class="text6">
            Eat Safe Rating</nav>
          <nav id="text7" class="text7">
            Good Performer</nav>
        </article>
        <nav id="text8" class="text8">
          4/5</nav>
        </section>
      </div> One section-->
    <section id="group57" class="group57">
      <article id="card-foodrating3" class="card-foodrating3">
        <aside id="shape3" class="shape"></aside>
        <section id="text9" class="text9">
          <p>3</p>
        </section>
        <article id="layout3" class="layout3">
          <nav id="text10" class="text10">
            Eat Safe Rating</nav>
          <nav id="text11" class="text11">
            Acceptable Performer</nav>
        </article>
        <nav id="text12" class="text12">
          3/5</nav>
      </div> One section-->
    <section id="group58" class="group58">
      <article id="card-foodrating4" class="card-foodrating4">
        <aside id="shape4" class="shape"></aside>
        <section id="text13" class="text13">
          <p>4</p>
        </section>
        <article id="layout4" class="layout4">
          <nav id="text14" class="text14">
            Eat Safe Rating</nav>
          <nav id="text15" class="text15">
            Poor Performer</nav>
        </article>
        <nav id="text16" class="text16">
          2/5</nav>
      </div> One section-->
    <section id="group59" class="group59">
      <article id="card-foodrating5" class="card-foodrating5">
        <aside id="shape5" class="shape"></aside>
        <section id="text17" class="text17">
          <p>5</p>
        </section>
        <article id="layout5" class="layout5">
          <nav id="text18" class="text18">
            Eat Safe Rating</nav>
          <nav id="text19" class="text19">
            Not Good Performer</nav>
        </article>
        <nav id="text20" class="text20">
          1/5</nav>
      </div> One section-->
    </div>
  </article>
</body>
```

Image: Screenshot of partial code on our project on restaurant safety score information

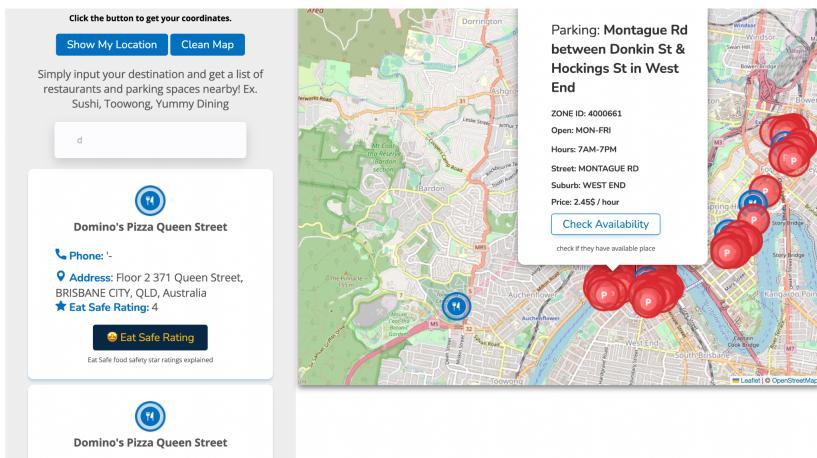
What I plan to do next week...

Finds three articles on proving our design flow is beneficial.

What issues I encountered during the week impacted your progress, and how I overcame (or plan to overcome) them.

The first issue I faced was when I created the calendar section the last week, and I used a paid calendar version with only ten days of free trials. Therefore, when I opened that again, it showed blank; I had to recreate a new one, which took me lots of time.

Reflection on the week's progress...



Project: parking found with the map popup text section

Image: Screenshot from the project Map page

So far, I am excited that we have almost finished our project.

To help or project done earlier, I assist our developers in editing the popup text when the user clicks the map of the parking or restaurant so that all information can show up. Also, we created a link button that lets users book that place. Moreover, we changed our search results to the style of a dropdown list to let users pick a similar spalling restaurant they may be interested in.

Studio - Project Support & Feedback

This week,

In this section, our team faced a problem with safety food API, as there needed to be more clarity during the presentation. Thanks, Yoto, for providing the API to convert actuarial addresses to the enumeration of geographical coordinates. The photos below show us conducted with JSON file into local storage. Then we save this file as Jason file.

Free API converted website:

The first 1800 addresses reversed:

https://drive.google.com/file/d/1Jck1WG1IpEPZq_VDIZ6ABr8MGGIjjZLw/view?usp=drivesdk

Questions we asked and Answers got:

1. How many successful API implementations do you expect in the final version of the prototype? Can we use 1 API and simulate the desired effect of the rest through HTML?

All teams are expected to use the following:

1 API from the key dataset

and 1 API from an external source - YELP, for example.

The rest of the functionality can be simulated using HTML.

2. For postgraduate students, we need to critique three academic papers. Can you elaborate on that?

Yes, we need to find three academic papers and provide critiques for them.

We can use methodologies, prototyping methods or research techniques that helped develop the project.

One document must include the following

1. Description of the concept - 300 words

2. Relation to the project - no word limit. Here we need to write how the method helped us.

3. Do we need to submit the peer assessment for this sprint? If yes, then where is it?

They don't know. They need to talk to Jason; if we need to, they will notify us via Blackboard.

4. What should we expect from the end-of-semester trade show in Week 13? What is it?

We will present to an external audience, but all details will be provided next time.

5. In the journal, do you expect to see the reflection on all three types of lessons (lecture, contact, workshop)? Yes, the thought of what you did during lectures, contacts and workshops. Furthermore, if there were no activities, for example, during the Mid-semester break or classes, we still need to write what we discussed and did during classes.

Week 11 Jornal :

What I plan to do next week...

Prepare some stuff for our week 13 's tradeshow.

What issues I encountered during the week impacted your progress, and how I overcame (or plan to overcome) them.

This week, we finished all our content design. However, as we are mobile - a user-friendly application, when I adjusted the responsive design, it took work to fit the map and results from the list. To solve this problem, I have spent a whole. Thus, I decided to visit others group did how they fit the map and search bar together.

Reflection on the week's progress...

I was frustrated by this aspect of our project when responsive design, which I may need to recode for whole things on the search page.

Response to the in-class prompt:

Workshop:

After combining the json file and API in this workshop, I uploaded our last version. And Two HTML pages that I created in the previous few weeks into this.

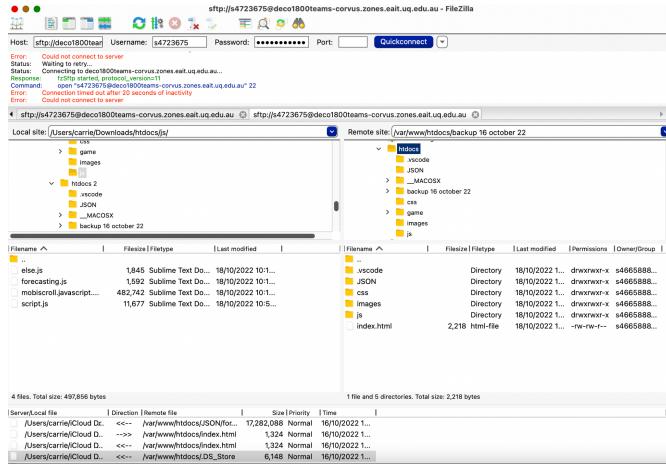


Image1: show the Filezilla I uploaded to the group area

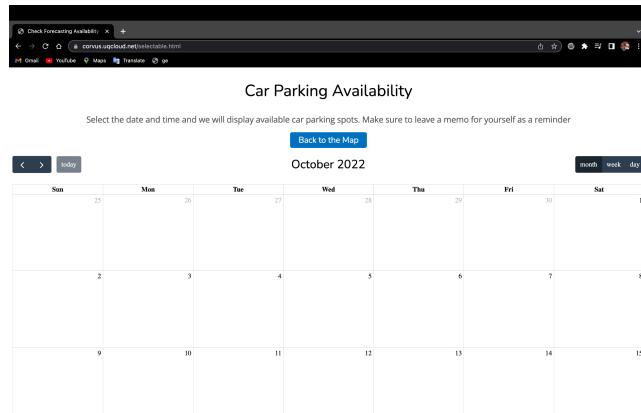


Image 2: Calendar page (1)

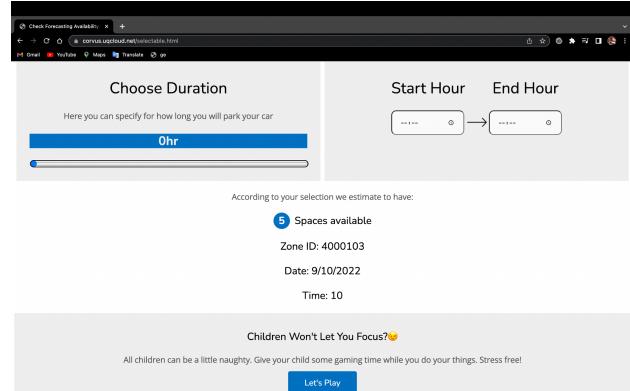


Image 3: Calendar page (2)

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=0">
<title>Book your Trip</title>

<!-- Mobiscroll JS and CSS Includes for calendar -->
<link rel="stylesheet" href="css/mobiscroll.min.css">
<link rel="stylesheet" href="css/mobiscroll.datetime.css">
<link rel="stylesheet" href="https://unpkg.com/leaflet@1.8.0/dist/leaflet.css"/>
<script type="text/javascript" src="https://unpkg.com/leaflet@1.8.0/dist/leaflet.js?22440579-5884-4D03-9Bb7-72wurK5xr/FsW40kINh5M9yTQne" integrity="sha512-hoWxOfr4lsc25sK8raytGvzLoxe/72440579-5884-4D03-9Bb7-72wurK5xr/FsW40kINh5M9yTQne" crossorigin="" />
<!-- Google Fonts - Nunito & Open Sans-->
<link href="https://fonts.googleapis.com/css2?family=Nunito:wght@300;400;500;600;700&family=Open+Sans:wght@400;600&display=swap" rel="stylesheet">
</head>
<body>

<section class="centeredcontent"><!-- JS time picker labels -->
<h2>Select Date:</h2>
<p>Choose your desired day by clicking or drag the bar to your preferred area to see multiple days.</p>
<sp id="demo-drag-drop-events"></sp>
</section>

<section class="flexcontainer">
<aside class="flex1 centeredcontent time"><!-- Slider for hours -->
<h2>Choose Duration</h2>
<p>Specify how long you will park your car</p>
<h3>Start Hour</h3>
<input type="range" min="0" max="10" value="0" class="slider">
</aside>
<aside class="flex2 centeredcontent time"><!-- Select start hour -->
<form class="calendarform form1">
<h3>Start Hour:</h3>
<input type="time" value="Submit form" id="startTime" required />
</form>
<!-- arrow shape between hour start and hour end -->

<form class="calendarform form2"><!-- Select end hour -->
<h3>End Hour:</h3>
</form>

```

Image 4: calendar page code (HTML, CSS)

```

<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=0">
<title>Restaurant Information</title>
<link href="https://fonts.googleapis.com/css2?family=Montserrat:wght@500&display=swap" rel="stylesheet">
<!-- Google Fonts - Nunito & Open Sans-->
<link href="https://fonts.googleapis.com/css2?family=Nunito:wght@300;400;500;600;700&family=Open+Sans:wght@400;600&display=swap" rel="stylesheet">
</head>
<body>

<section class="centeredcontent">
<h1>What Does "Eat Safe" Rating Means?</h1>
<p>From basic hygiene, food storage guidelines to cooking meals and preparing desserts our rating provides food safety information relating to restaurants in Brisbane thus minimizing the risk associated with food poisoning.</p>
</section>

<section class="parent">
<h3>rating>5/<h3>
<h3>performance</h3>
<h3>Excellent Performer</h3>
</section>

<section class="parent">
<h3>rating>5/5</h3>
<h3>performance</h3>
<h3>Good Performer</h3>
</section>

<section class="parent">
<h3>rating>5/5</h3>
<h3>performance</h3>
<h3>Acceptable Performer</h3>
</section>

<section class="parent">
<h3>rating>5/5</h3>
<h3>performance</h3>
<h3>Poor Performer</h3>
</section>

<section class="parent">
<h3>rating>5/5</h3>
<h3>performance</h3>
<h3>Not Good Performer</h3>
</section>


```

Image 5: Eat safe explaining code (HTML, CSS).

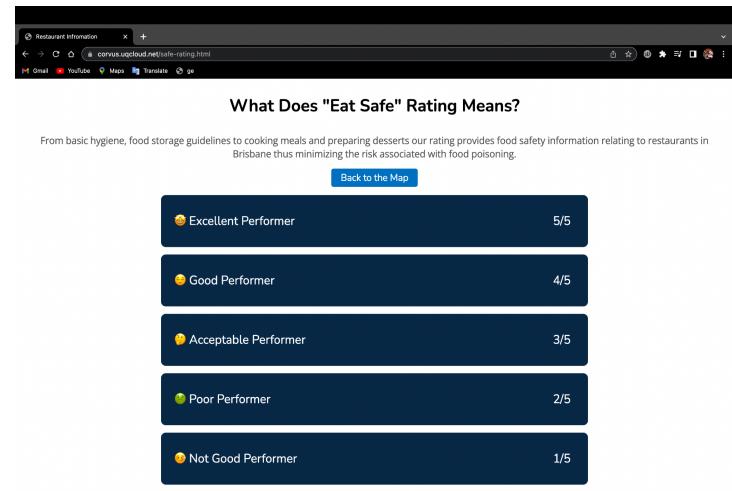


Image 6: Eat safe explaining page

Week 12 Jornal:

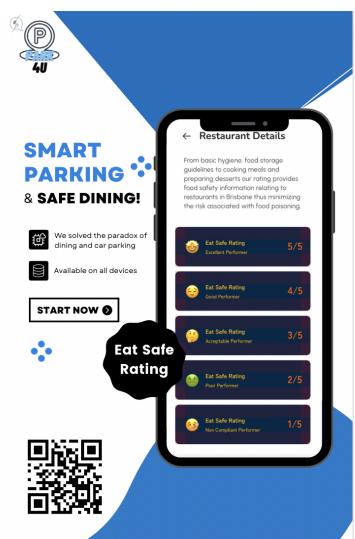
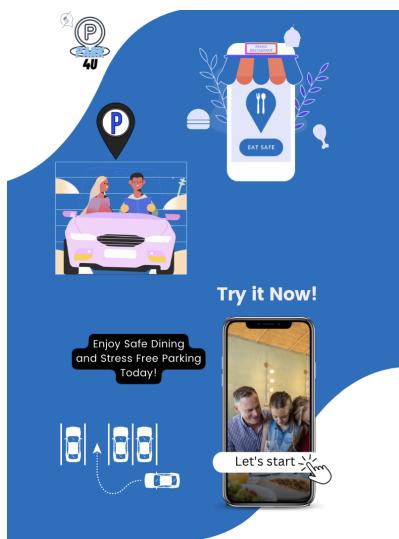
What I did this week...

Purchase stuffs for next week's trade show.



Image 1: Stuff prepared for trade show decoration.

Created the digital poster as backgrounwhen tradeshow



Images 2,3,4: digital posters briefly introduce our project

Source:https://www.canva.com/design/DAFPjtbb4N8/e7EZwjUHbr0x5x4_XqZbyQ/view?utm_content=DAFPjtbb4N8&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton

What I plan to do next week...

1. Make a business card sticker for each group member
2. Decoration of our tradeshow
3. Check other groups and adjust to map and research results (responsive design).

What issues I encountered during the week impacted your progress, and how I overcame (or plan to overcome) them.

In this week's studio, we practice how to pitch our project to other users. In this section, I partnered with two of our classmates. During the test, I realised that although I am familiar with my project, I am still nervous about speaking out and staring into their eyes. This type of speech is always my shortness skill. I will keep practising how to pitch this week and hope to be brave in my future studies or tradeshow to express my ideas.

Reflection on the week's progress...

So far, our project has almost finished. However, we have one more that still needs to spend on back-end information storage. By the way, I'm so proud of my group and my work.

If we could have more time on this project, I would adjust below:

- Add the Filtering option to find a restaurant based on cuisine (such as international, seafood, American burger, sushi etc.)
- Re-design the "check availability" page where we use forecasting API. Right now, it's unclear how to use the calendar to check how many available places there is
- Restaurant information. Currently, we support only the "food safety" list, and we don't have any images or videos. We need to introduce 3rd party databases such as Yelp to offer more restaurants.
- Save information into the user's storage.

Response to the in-class prompt:

Finalised the project and prepared the following week's trade show. This week, I helped create our project ppt and fixed some errors. Create the Digital poster during this week.

In this studio:

We talked about how to make a pitch for our project and how to target our primary audience.

Group discussion :(Pitch) we discussed below:

Main features: finding parking lots, car forecasting, booking function and game entertainment

Introduction of our application: our concept, parking function, forecasting parking and entertaining children

Benefits to users:

1. Save the time of finding parking a lots
2. Raises awareness: · to help prevent such accidents, the displayed restaurant list contains a "Safety Rating", which implies that the food establishment adheres to the hygiene standards.

Future Plan:

1. Filtering option to find restaurants based on cuisine (international, seafood, American burger, sushi etc.)
2. - Re-design the "check availability" page where we use forecasting API. Right now, it's not clear how to use the calendar to check how many available places there are
3. - Restaurant information - currently, we support only the "food safety" list. Because we don't have any images or videos.
4. We need to introduce 3rd party databases such as Yelp to offer more restaurants.

Draft the poster [image 1] [image 2]:

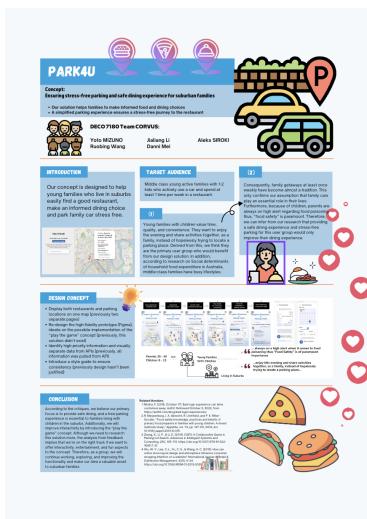


Image 1: the First poster generation

Image 2: the Final Generation

Week 13:

What I did this week...

Decoration for our tradeshow.

Pitch to other students.

Attend other groups' tradeshow



Image: Trade show decoration



Image: Pitch our project to another student



Image: Test another group project which is about finding a good place.

Reflection on the week's progress and previous weeks' projects ...

This week's tradeshow is our last activity this semester, and I tested four groups in different sessions. For the final project:

- Issues:
 1. We initially aimed to develop a database system to store user information. Still, we could not introduce such functionality due to technical issues.
 2. We developed a fully functional prototype of our application, which meets most of the user needs covered in this research. However, the concept could have been more engaging and exciting.
 3. We want to improve the final product by conducting additional testing sessions with expert users. For instance, try to add main navigation and design other pages such as contact, about us, how-to-use pages, etc.

In my future study, I hope to have better time management, improve my javascript skills, and be the user's base to design.

Trade shows Thesis



Image 1:Discussion



Image 2: Application with plants

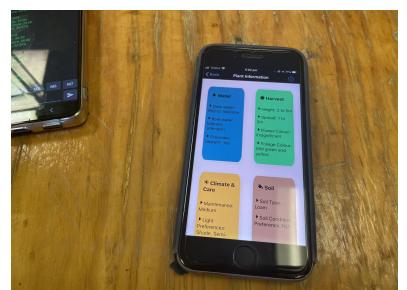


Image 3:Application functions



Image 4: Detect humidity of plant



image 5: Test process

Name: Bloom

Introduction: They developed a mobile application to detect varieties of plant humidity, health conditions and plant information. Bloom is also an app encouraging people to grow native Australian plants, providing users with helpful information.

Concept:

1. Add plants to their application
2. Show plants information on added plants, such as climates and weather preferences et.,at
3. reminder watering with application to users
4. with different machines to detect plants' health conditions.

Target group:

People with plants can detect their stuff anytime with their application.

Reflection:

First of all. The most attractive me is their trade show decoration, which they filled with plants in their place. Meanwhile, they put their detection machine at the very first stage to introduce it to all audiences. Then, during the discussion session, they separate different people in charge n different positions, which is very clearly a division of responsibilities.

In my future tradeshow, I will refer to their decoration style to catch other audiences' eyes.

Trade shows: Studio 1



Image 1: The layout of their tradeshow decoration

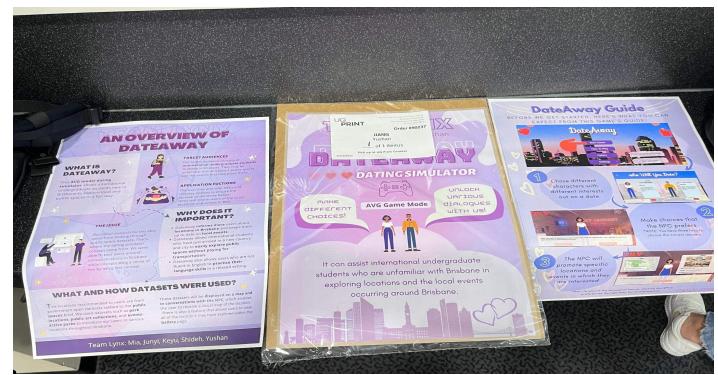


Image 2: Their three poster to brief their concepts and project details

Name: DateAway

Introduction:

A dating game with NPC is like an average dating simulator. Users can choose to take different characters (two characters, female and Male) with other interests and personalities out on a date. The NPC will promote specific locations they are interested in, so it is beneficial for users to choose an NPC that fits their interests. To add to the game mechanics, users have three lives to choose the correct answers to a series of choices throughout a playthrough. Choosing incorrectly will cost them a life; selecting correctly will allow them to continue. Users will learn more about Brisbane and various public spaces throughout the conversation.

Concept:

The locations suggested to users are from the open government datasets surrounding the public spaces brief. Datasets such as park locations, public art collections and events-active parks are the primary datasets they used to introduce users to many places around Brisbane.

Target group:

People who are over 14 years old.

Reflection:

I was first interested in their game model. They use 3 APIs to connect a game. The following game process is like a cooperation game. The user needs to choose the correct answer to win. Meanwhile, they use the Brisbane live event as a game activity. I think this game idea is an excellent example of user interaction activity.

Moreover, their theme is that all design flow is filled with romance, which makes users feel relaxed while playing the game. The most important is because it is a choice game that also contributes to the user wanting to play again and again until winning. Thus, in my future study, I will consider designing a game similar to their style. I will also pay more attention to the theme colour design because compared to our group project, we lacked a colourful background and were unsuitable for our theme.

Trade shows Studio 3



Image 1: The mobile app “Focus” ’s poster

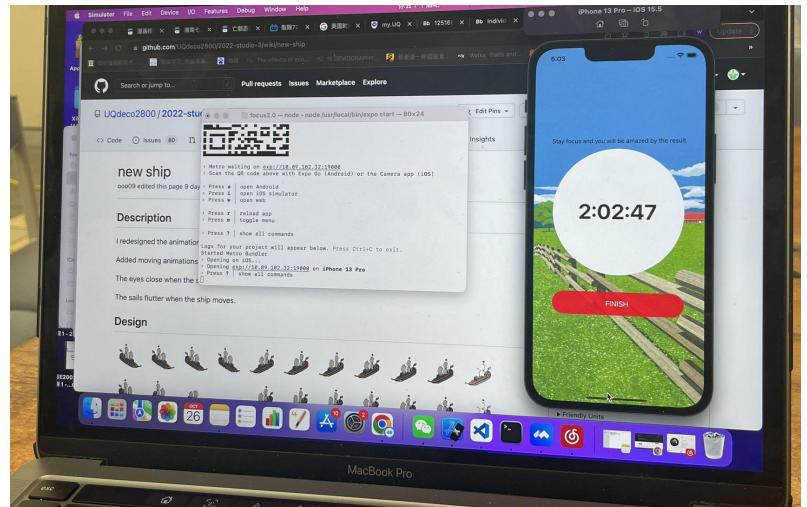


Image 2: The timer, which is a task countdown

Name: Focus

Introduction:

A mobile app creates an atmosphere for people who want to be more productive in work and study.

Concept:

1. Chat with an unmatched level of performance
2. Focus Mode
3. Todo List
4. Statistics
5. Game
6. White Noise

Target group: the primary group is students who want to improve their focus ability.

Reflection:

They make a mobile application with six activities. Firstly, this application has some exciting ideas for improving human focus abilities, especially for avoiding some unpleasant distractions. What impacts me most is the tools to prevent white noise, which is helpful for me as I always easily be distracted by some kinds of voices. However, I should create a focus application. In that case, I will never want to add chat to my project because chatting with friends is also some way of distribution.

Paper reviews:

Smart Parking Features

Introduction:

This article reviews three articles to demonstrate the frequent feathers in designing innovative parking web applications.

In most last innovative applications, the interface was constructed using three computer languages: HTML, CSS, and JavaScript. HTML documents are given visual representation by CSS, and JavaScript code makes the webpage more interactive and convenient for users (Butowsky et., at, 2015).

Meanwhile, it also states that the app can be built in the current web design and easily fixed in the future development phase one survey report shows that most smart parking solution has three themes: information collection, parking meters, and crowd sensing. . To Reduce HTTP, requests can be made using image maps, CSS sprites, and combining various files. The Web page's loading time will be reduced by using image maps, CSS sprites, and integrating multiple files.

They also discuss deploying an intelligent parking service system considering different service types, e.g., payment, monitoring, reservation, guidance, and information presentation. They started by studying the software system in Section IV-A, then compared the existing large-scale deployment projects with the technologies mentioned in Section III, and finally examined the forecasting methods used in the current literature(Lin et.,at, 2017; Kazi et.,at, 2018).

Conclusions:

In sum, most intelligent car parking solutions include distance meters display, time booking functions, and information for reservations. Therefore, these features will also be considered initial in our project.

Literature Cited:

APA style

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Benefits of Game on Parking web Applications

Introduction:

Insights from three articles on adding a Game feature to the web application of our group project.

A growing number of vehicles on the road has resulted in a general lack of parking availability, which causes additional stress to drivers and increases the risk of road accidents (Hilal, et., 2022). One of the successful functions added to the car parking web is a game used to model driver behaviour in indoor facilities with parking fees. Then The game of life is adjusted to the proposed model by filling, swapping, and emptying cells. Occupied cells with seven or more neighbours are released, and empty cells remain empty. Furthermore, the process of finding available parking increases carbon dioxide emissions. This work explained that a mobile application that uses games to find parking places is easy to find public indoor parking spaces. The mobile application helps the final user to find the recommended parking space quickly. The proposed system achieves substantial improvements for intelligent parking in indoor installations in terms of reducing the time and traversing distance to find an available parking space and can be enhanced with a tool to forecast future demand for parking spaces.

Arriving customers maximise their utility by joining the queue, where the utility is a function of the reward for parking and the cost of circling and paying for parking (Ratliff et.,at, 2016). Moreover, it demenstres that social welfare is higher than in standard applications and occupancy and average waiting time are always less than without game addition in innovative car parking applications.

On the other hand, games will offer interactivity, entertainment and fun aspects to the concept, as a report by Zhang, X., Li, P., and Li, D. (2014) where we discovered that cooperative gaming helps to achieve win-win situations.

Conclusions:

To conclude, insights from the feedback from user tests and presentations indicate that users welcome the idea of “safe dining and stress-free parking”. As a group, we will continue working, exploring and improving the functionality, making our concept a valuable asset to suburban families.

Literature Cited: APA style

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Intelligent Parking lot design flow

Introduction:

As Fang et .at (2017) state, the parking guidance system can improve traffic, ease congestion, increase safety, improve the driver's experience, and reduce vehicle emissions. Meanwhile, the parking guidance system can improve traffic, ease congestion, increase safety, improve the driver's experience, and reduce vehicle emissions.

According to the research from Tsai in 2021, drivers slow down and look for available space when searching for a parking space, but if they cannot find one, they circle, which causes traffic congestion and increases the risk of accidents. Fang's formula of the travel distance between a parking lot and a destination is given by the following terms: reservation credibility, occupancy rate, straight distance, per kilometre of resources consumed, and parking time, which improves the parking space utilisation of the parking lot.

The layout of AP devices in the parking lot is based on WiFi location technology. WiFi positioning technology can also be used for indoor positioning to predict the parking lot more. A questionnaire about the individual demand of parking users was conducted, and an optimal parking lot assignment model was established(Han et., at, 2017).

Conclusions:

In sum, to improve user experience and parking spaces forecasting accuracy rate, regarding the above articles mentioned, our project includes a forecasting parking lot and parking times control bars.

Literature Cited: APA style

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