

WEEK 8 – WORK IN PROGRESS

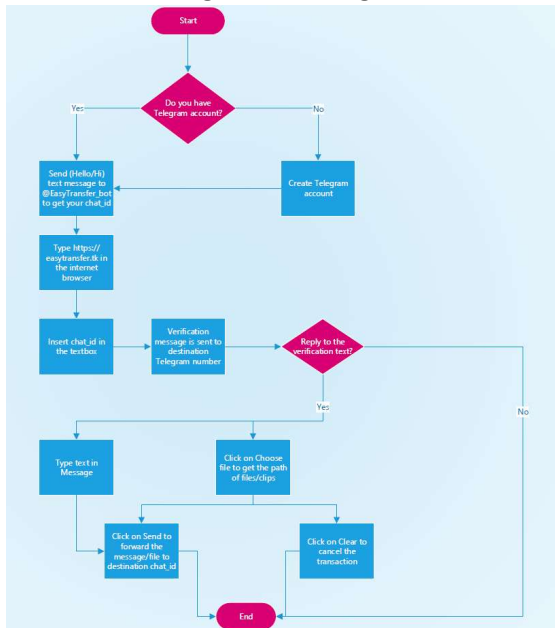
EASYTRANSFER WEBSITE

Work has been done:

To ensure the website is responsive, functional and providing reliable and effective services, there is some work related to analysis, design and build completed. The outcomes of each task were submitted via email to supervisor (Dr Ben) on week 5 and week 7 and asked for feedback.

The benefits of planning stage and requirement management are to clearly define roles & responsibilities then streamline and document the development process. Moreover, the impact assessment of release candidates done at the planning stage will establish deliverables the rest of the application lifecycle.

- Requirement analysis
- User Interface specification
- Functional and technical specification
- Design walkthrough – Process flow




- Wireframe

The wireframe shows a website layout with the following elements:

- 1. Logo placeholder (IMAGE)
- 2. Headline: "Easy Transfer - Always connect"
- 3. Content: "Please insert chat_id in the textbox below to start sending messages. To get the chat_id, using Telegram account to send a Hello message to @EasyTransfer_bot"
- 4. Chat_id input field
- 5. VERIFY button
- 6. Message input field
- 7. Choose File button
- 8. Clear button
- 9. SEND button

No	Element	Type	Description
1	Image		Logo of website.
2	Headline	Text	Title of website.
3	Content	Text	Brief summary of how to use website.
4	Chat_id	Number (9 digits)	Unique chat_id which is relevant to Telegram account of receiver. It must contain 9 digits to enable VERIFY button.
5	Verify	Button	Check if the chat_id is valid and exits by sending a text messages to Telegram account of receiver. Receiver needs to reply with Yes to confirm they wish to receive. After the successful verification, enable the SEND button.
6	Message field	Text	Enter the text message.
7	Choose File	Button	Open the file location and allow users to select the preferred file.
8	Clear	Button	Remove the file chosen previously.
9	Send	Button	Send Message or File to Telegram account of receiver.

- Prototype



Easy Transfer - Always connect

Please insert chat_id in the textbox below to start sending messages.
To get the chat_id, using Telegram account to send a Hello message to @EasyTransfer_bot

Chat_id:

VERIFY NUMBER

Message:

CHOOSE FILE

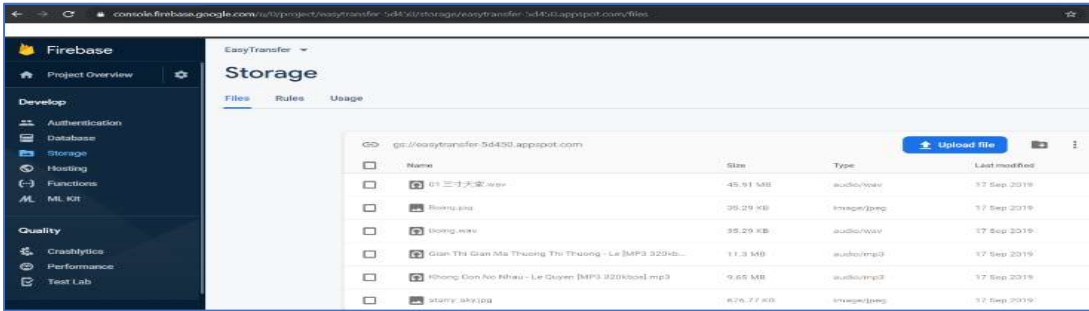
No file chosen

CLEAR

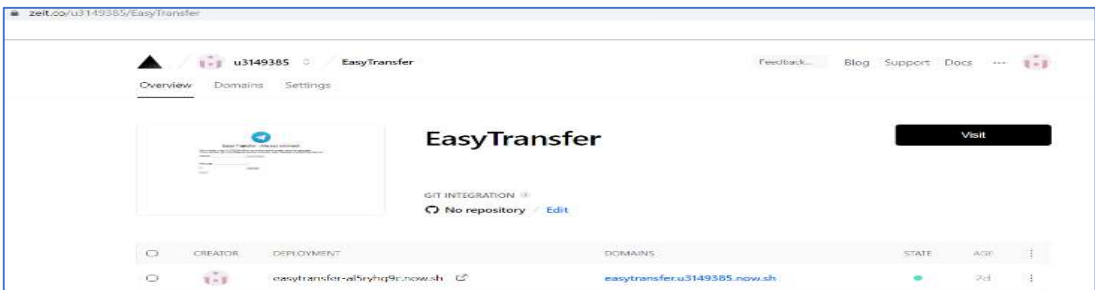
SEND

- Environment set up:

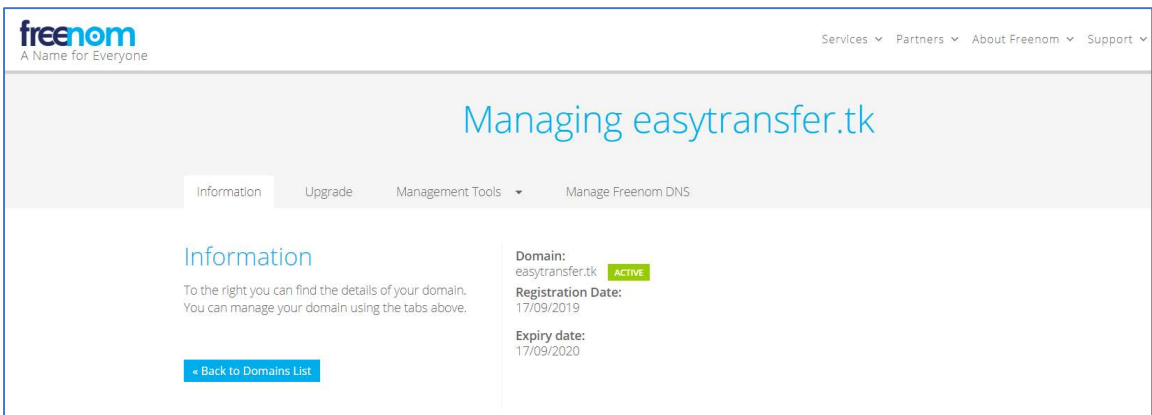
Firebase, one of Google products, has been utilized for temporary storage. All attached files will be uploaded to Firebase account. File will be automatically deleted after 2 days.



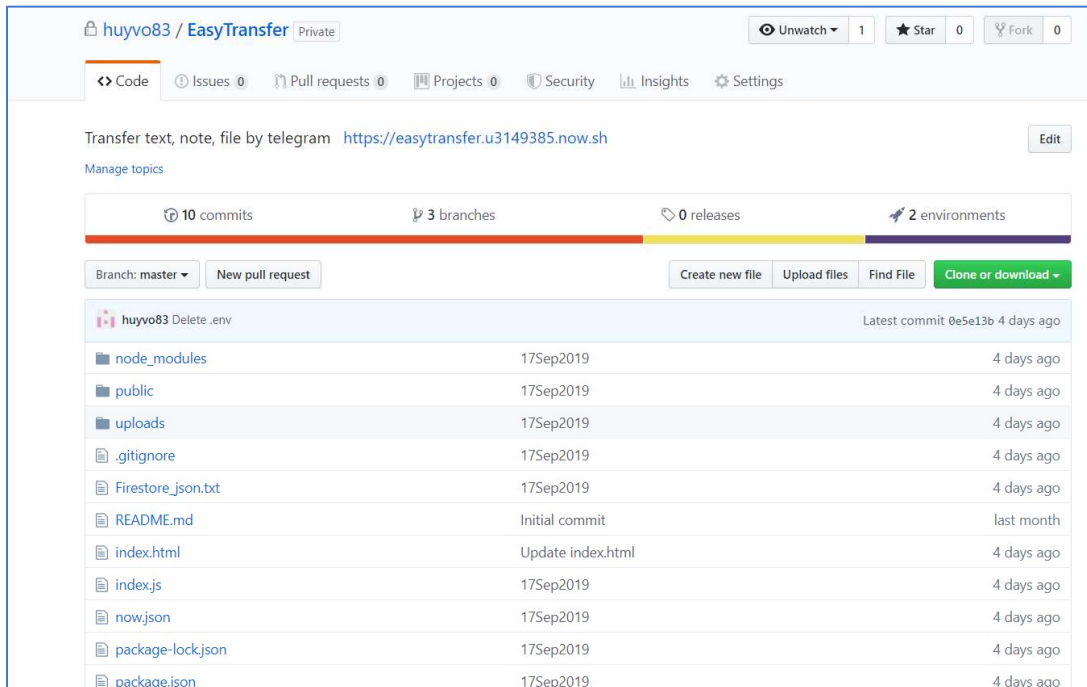
Host: Zeit.com



Domain: Dot.tk



Code versioning: GitHub (<https://github.com/huyvo83/EasyTransfer>)



Terminal to build and upload to Zeit.com: Node.js

- Function summary

1) Receiver uses Telegram account in their mobile phone to send "Hello/Hi" message to EasyTransfer_bot, webhook will trigger start_bot function in Zeit (index.js) and Zeit server will send Telegram message with chat_id back to receiver.

```
app.post('/start_bot', function(req, res) {
```

2) User inserts receiver's chat_id on web browser (index.html) to request verification. Zeit server (index.js) will send message (Do you want to receive message from EasyTransfer?) to Telegram account of receiver to verify.

```
app.post('/verify', function(req, res){
```

3) Receiver answers "Yes", the web browser will enable the "Submit" button.
(Before the verification is done, "Submit" button was disabled.)

```
$("#btnSubmit").prop("disabled", false);
```

4) User wants to send attachment to receiver: Zeit server will call function to prepare necessary parameters to initialize Firebase account to be ready for file upload.

```
firebase.initializeApp({
```

5) If user just sends text-only message to receiver, Zeit server will detect and use a different function.

```
function sendMessage(url, reply, chat_id, res) {
```

If user sends attachment or both (message and attachment), Zeit server will call the below function.

```
function sendDoc(url, reply, chat_id, file_url, res) {
```

Both above functions will communicate with the methods provided in Telegram API
(<https://core.telegram.org/bots/api>)

```
let telegram_url_message = "https://api.telegram.org/bot" + process.env.TELEGRAM_API_TOKEN + "/sendMessage";  
let telegram_url_doc = "https://api.telegram.org/bot" + process.env.TELEGRAM_API_TOKEN + "/sendDocument";
```

Work still needs to be completed:

The below tasks are pending to be done for the next few weeks and I am confident to progress them on time. Those are required as part of testing, documentation and maintenance. It helps traceability of change from requirements through to product solution, risk identification & mitigation and improved test outcomes through functional testing.

- Promotional poster
- Code review
- Test case/strategy
- User acceptance testing
- End-user training document

Change in production plan: My initial intention was to deploy a website with two ways of sharing. However, due to time constraint, the scope of the project is to release a website product transferring information from desktop to Telegram phone account.

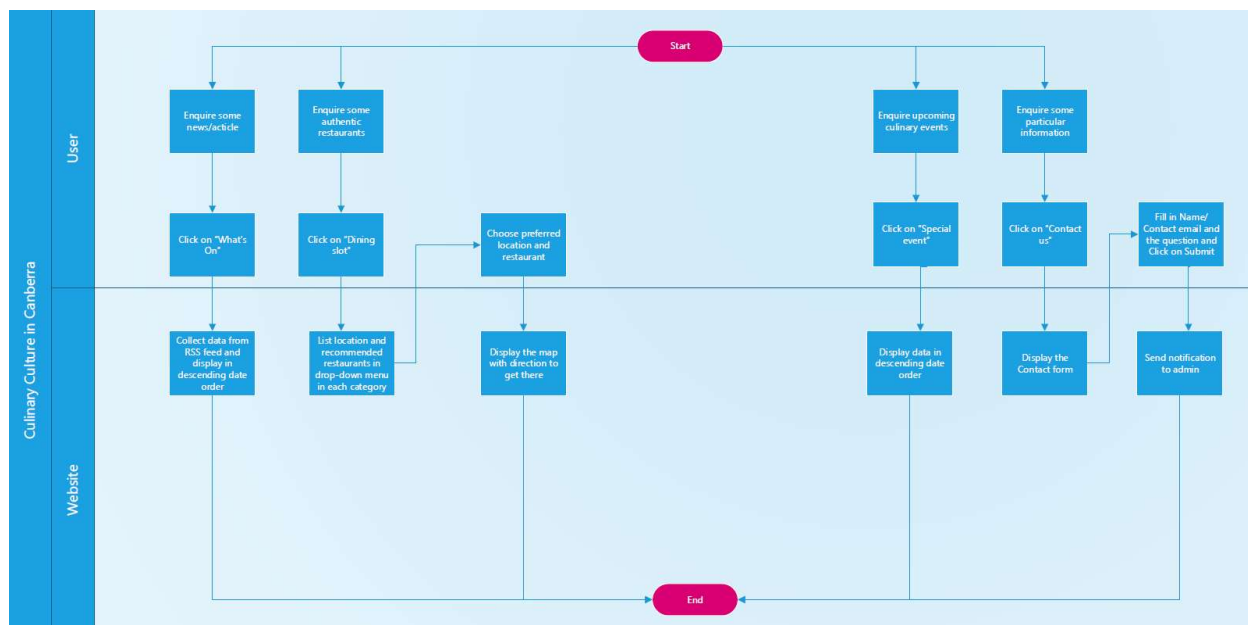
CULINARY CULTURE IN CANBERRA

Work has been done:

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- Requirement analysis
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- Wireframe

CULINARY CULTURE IN CANBERRA

WHAT'S ON

DINING SPOT

SPECIAL EVENTS

CONTACT US

Image

Image

Image

I have no issue with Campania's parmigiana di melanzane, where sliced, round and fried eggplant is layered with basil, tomato, onion sauce, hard-boiled eggs, mozzarella

Read more

The study covered 451,743 adults from 10 European countries who participated in the European Prospective Investigation into Cancer and Nutrition (EPIC) survey

Read more

While the wood-fired oven and open salumi station remind me of some of the best neighbourhood restaurants we've eaten at in Italy, there are some odd touches

Read more

No	Element	Type	Description
1	Headline	Text	Title of website
2	Menu bar	Text	Name of webpages
3	Search bar	Text field	Insert particular texts
4	Search button	Button	Search texts entered from search bar
5	Content	Image and Text field	Data retrieved from RSS feed/ API
6	More news	Button	Display more news/articles

CULINARY CULTURE IN CANBERRA

WHAT'S ON

DINING SPOT

SPECIAL EVENTS

CONTACT US

ASIAN

Ingredients common to many cultures in the East and Southeast regions of Asia are found in this dish. Asian cuisine, which is a combination of many different cultures, is a blend of many different cuisines.

Location

Cuisine

Map

No	Element	Type	Description
1	Headline	Text	Title of website
2	Menu bar	Text	Name of webpages
3	Search bar	Text field	Insert particular texts
4	Search button	Button	Search texts entered from search bar
5	Content	Text field	Information about each culture (categorised into 4 cultures)
6	Image	Image	Image of some food
7	Location/ Cuisine	Drop-down list	4 main locations in Canberra and scoped 2 cuisines
8	Find	Button	Search the restaurants relevant to the location and cuisine
9	List	List box	Return the list of restaurants
10	Map	Image	Direction to go to restaurant

CULINARY CULTURE IN CANBERRA

WHAT'S ON

DINING SPOT

SPECIAL EVENTS

CONTACT US

Moon festival

Canberra night noodle market

Image

Image

Details:
Sun, 15 Sep, 10:00 am - 3:30 pm
Tomorrow
City Walk Centre
Canberra ACT
From Eventbrite.com.au: Canberra Moon Festival (CMF) returns in September 2019 with a glazing makeover - bigger venue, richer programme, yummiest food and more fun! Set to become the most iconic multicultural sensation in...

Details:
1 - 10 March
TBC
Foodies featured at the Canberra Night Noodle Markets include Hoy Piny, Chur Burger, Chunks, Shadai Thai, Mr Bao, Bangkok Street Food, What the Pho, Bao Brothers, May's Malaysian Hawker, Twisted, Flying Noodles, Little Kyoto, Waffeland, Wok Master, Satay Brothers, Donburi Station with many more to be announced soon.

No	Element	Type	Description
1	Headline	Text	Title of website
2	Menu bar	Text	Name of webpages
3	Search bar	Text field	Insert particular texts
4	Search button	Button	Search texts entered from search bar
5	Content	Text/Image	Information about upcoming events in Canberra

CULINARY CULTURE IN CANBERRA

WHAT'S ON

DINING SPOT

SPECIAL EVENTS

CONTACT US

Name

Email

Enquiry

Submit

No	Element	Type	Description
1	Headline	Text	Title of website
2	Menu bar	Text	Name of webpages
3	Search bar	Text field	Insert particular texts
4	Name	Text	Name of user
5	Email address	Text	Email address of user
6	Enquiry	Text field	Question/Feedback from user
7	Submit	Button	Send the form to admin's email

Prototype

CULINARY CULTURE IN CANBERRA

WHAT'S ON

DINING SPOT

SPECIAL EVENTS

CONTACT US

Restaurant review: Aubergine still Canberra's best, and not just for special occasions

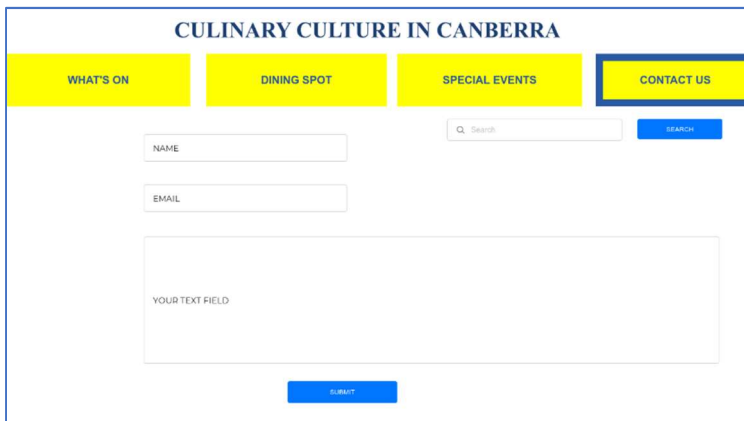
Read more

It's often a source of talkback radio rage - the Christmas leftovers aren't even finished and hot cross buns are already on the supermarket shelf, months before Easter.

Read more

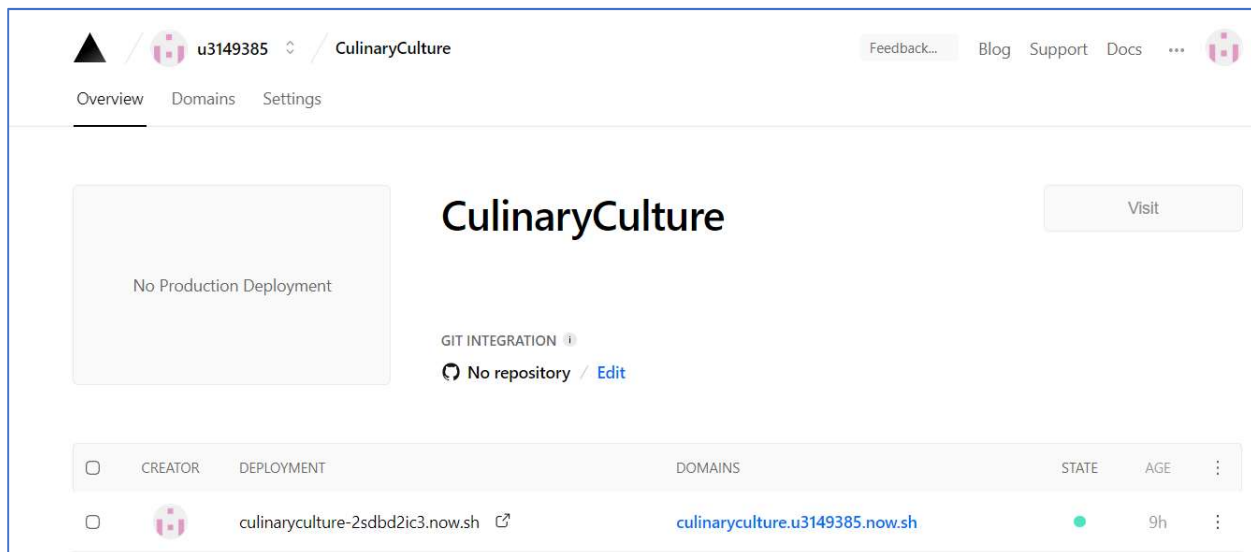
Lamshed's ultra-contemporary in Yarralumla. Yarralumla has always been about a lovely simple French place that operated there perhaps 15 years ago.

Read more



- Environment set up:

Host: Zeit.com



Domain: Dot.tk

The screenshot shows the Freenom website interface for managing the domain **culinaryculture.tk**. The page has a header with the Freenom logo and navigation links: Information, Upgrade, Management Tools, and Manage Freenom DNS. The main content area is titled "Managing culinaryculture.tk" and includes an "Information" tab. Below the tab, there is a description: "To the right you can find the details of your domain. You can manage your domain using the tabs above." On the right side, domain details are listed: Domain: culinaryculture.tk (ACTIVE), Registration Date: 29/09/2019, and Expiry date: 29/09/2020. A "Back to Domains List" button is located at the bottom left.

Code versioning: GitHub (<https://github.com/huyvo83/CulinaryCulture>)

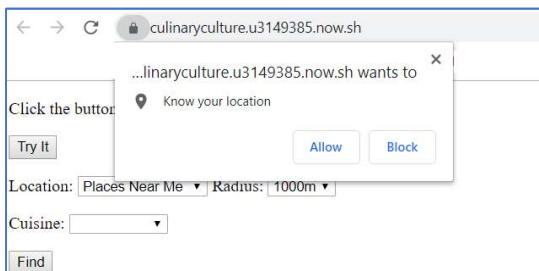
The screenshot shows the GitHub repository page for **huyvo83 / CulinaryCulture**. The repository is private and has 1 branch (master) and 2 commits. The commit history table is as follows:

File	Commit	Time
node_modules	first commit	8 days ago
public	first commit	8 days ago
.gitignore	first commit	8 days ago
README.md	Initial commit	10 days ago
index.js	first commit	8 days ago
package-lock.json	first commit	8 days ago
package.json	first commit	8 days ago

Terminal to build and upload to Zeit.com: Node.js

- Completed functions:

1) Detect current location of user and return the restaurant with location "Places Near Me".



2) Use Places API (in index.js) to find the relevant restaurants with pre-selected location, radius and cuisine.

```
let near_by_call = '  
https://maps.googleapis.com/maps/api/place/nearbysearch/json?type=restaurant&key=' + process.  
env.GOOGLE_API_TOKEN ;  
  
findLocation(userInput, near_by_call,res);
```


Location: Places Near Me Radius: 1000m

Cuisine:

Find

Korean

Vietnamese

Italian

Spanish

Australian

Mexican

Location: Tuggeranong Radius: 1000m

Cuisine:

Find

1000m

2000m

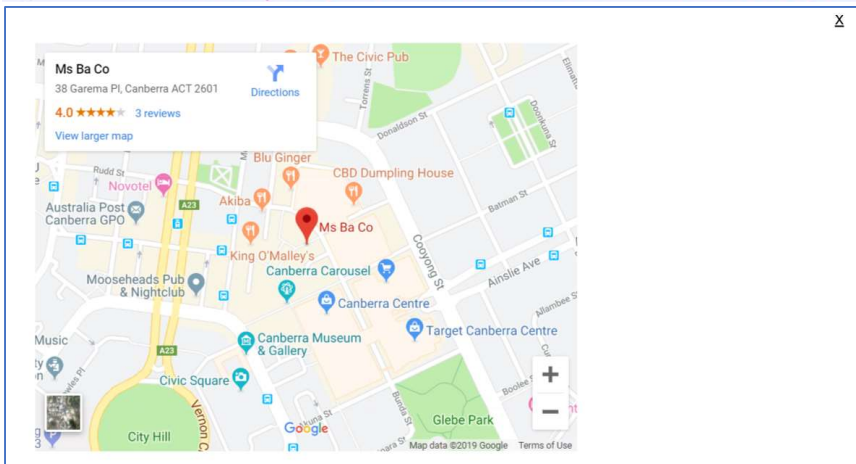
3000m

4000m

3) Return the direction map when user clicks on their preferred restaurant.

```
function showEmbedMap(place_id) {
    var Iframe_Open = '<iframe width="600" height="450" frameborder="0" style="border:0" src="https://www.google.com/maps/embed/v1/place?key=AIzaSyBfEzy8-4n1bfWcL9haLLAjTioWvLZW_M4&q=place_id:';
    var Iframe_Close = '></iframe>';
    $(".popup-inner-body").append(Iframe_Open + place_id + Iframe_Close);

    .click(function() {
        showPopup();
        showEmbedMap(findResult.results[i].place_id);
    });
}
```



Work still needs to be completed:

The below tasks are pending to be done for the next few weeks.

- Functions:
 - What's on webpage (use News API)
 - Dining spot: 3D images
 - Special event webpage
 - Contact us webpage
 - CSS and HTML for layout
- Promotional poster
- Code review
- Test case/strategy
- User acceptance testing
- End-user training document

Change in production plan: At the first stage of wireframe and prototype design, I thought it would be good to have each category of culture separately. However, after considering the convenience and usefulness in real life for user (where most of the cases, they prefer to use smartphone to open the website) and timeframe, I decided to combine all categories of culture under one cuisine drop-down box and more specifically, there will be 6 options – Korean, Vietnamese, Italian, Spanish, Australia and Mexican. This function can be a perfect candidate for future enhancement when more time and resources are allocated.