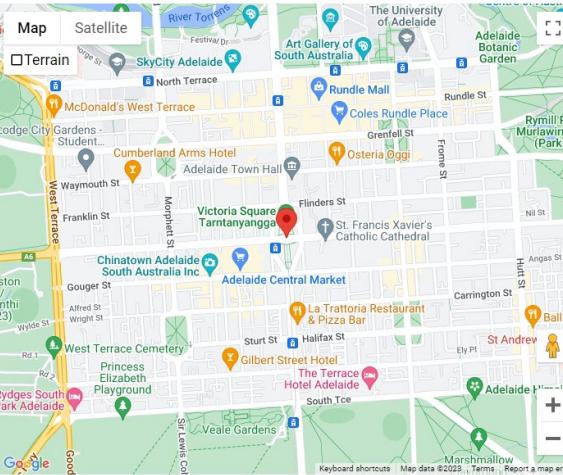


### Road Trip Assistant

Drive with confidence

Search for Locations

**Search**



### 5-days planner

click each day below to record your destinations and weather detail

30/10/2023	31/10/2023	01/11/2023	02/11/2023	03/11/2023	<b>Clear Itinerary</b>
Monday	Tuesday	Wednesday	Thursday	Friday	

Search the location you want to go and check the weather, petrol prices in the area. click on the 5 days calendar to save your destinations!

# Features (CL)

- Search function for any town and city in Australia
- This will return the relevant petrol price average and five-day weather forecast
- Displays Google Maps, to show surrounding area info
- 5-days planner for the user to record the trip plan in the next 5 days

# Concept (RB)

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- **Description:**

Combining a few helpful apps and sources of info into one, which a user can search and see at the same time, while on the road.

- **Motivation:**

Planning a road trip needs to go across a few websites to get enough information for travelling, this page could help to get all info in one place.

- **User Story:**

When I plan and start a road trip, I want an app that can show the location map and relevant travel information, such as the petrol prices and weather forecast. I also want to have a calendar to store my short trip plan.



# Process (CL)

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- **Technologies used:**

- **Coding:**

- HTML, CSS, JS

- **3<sup>rd</sup> party APIs:**

- Bulma CSS framework, Jquery & Jquery UI

- **Server side Apis:**

- google map, weather org, fuelprice widget



# Process (CL)

- **Developers' roles:**

- Concept & Ideas: CL & RB
- HTML CSS framework: CL
- CSS enhance & UI polish: SL
- Api investigation and integration: CL & RB
- JS function:

CL(search Btn, 5-days planner function)

RB(weather api, 5-days planner weather info)

SL(5-days planner dates)

- **Debug & consolidation:** CL



# Process (the Team)

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- **Challenges:**

- -Lack of petrol APIs around compared with weather APIs, or not as easy to implement seemingly
- -Personal skill and knowledge level
- -Server side Api doc reading and interpreting
- -codes merging conflicts



# Process (the Team)

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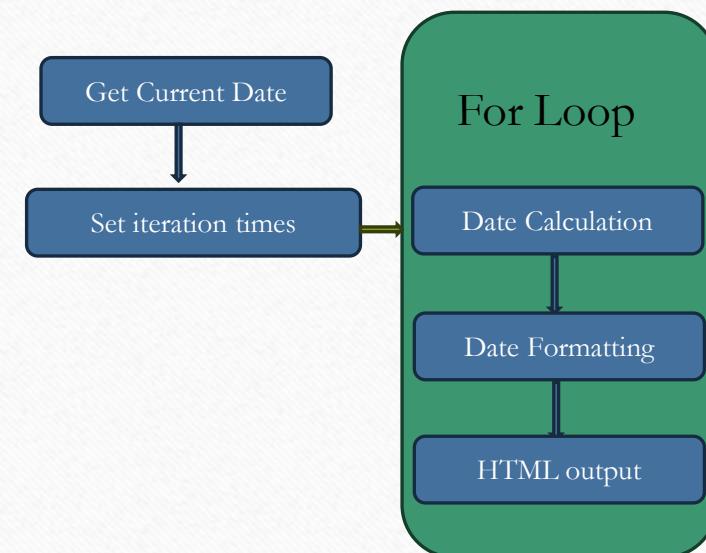
- **Successes:**

- -Quite simple and efficient when adding in the Google Maps API, seems to be well-established technology
- -team work success
- -the final integration is well



# Process (SL)

- **Dynamic Date Display Using JavaScript:**
- **Steps:**
  - Get the current date.
  - Loop through a set number of elements.
  - Calculate and format dates.
  - Update HTML elements with formatted dates.



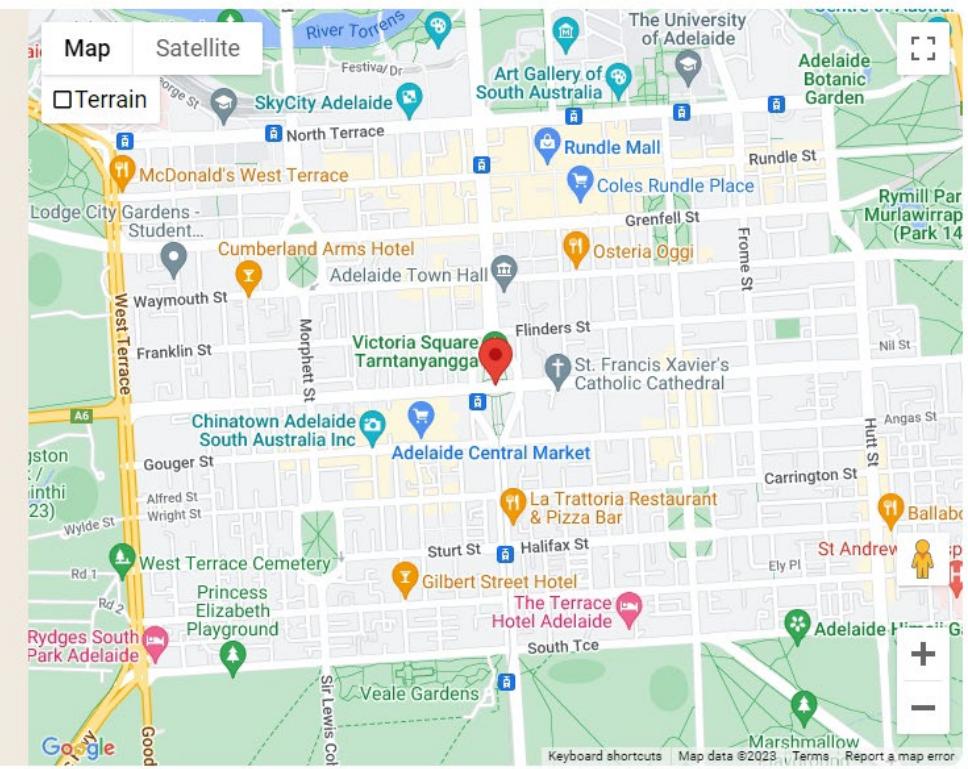
DEMO! (SL)

## Road Trip Assistant

Drive with confidence

Search for Locations

Search



### 5-days planner

click each day below to record your destinations and weather detail

30/10/2023

Monday

31/10/2023

Tuesday

01/11/2023

Wednesday

02/11/2023

Thursday

03/11/2023

Friday

Clear Itinerary

# Directions for future development

(the Team)

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- CL:  
“fuel api could be better, the Calander could expand to a monthly span, distance between planned locations could be useful and worth to integrate in the future”
- RB:  
“If more, better developed petrol price APIs become available, like with the weather APIs and Google Maps API, it could help developers of apps like this, Be able to more easily show petrol prices for individual petrol stations or suburbs, an original intention for this app”
- SL:  
“”



# Links

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- **Repo Link:**

<https://github.com/mkdkck/roadTripAssistant>

- **Deployed Link:**

<https://mkdkck.github.io/roadTripAssistant>



