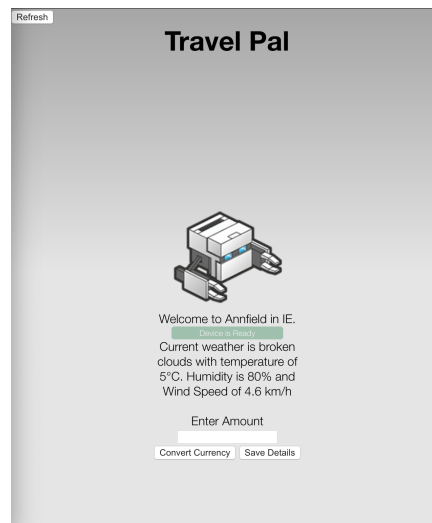


Travel Pal

Travel Pal is a useful travel app which offers local weather updates as well as currency-conversion feature.



1. The app utilises geolocation services for your device or web browser to get the latitude and longitude.

```
function getLocation() {  
    navigator.geolocation.getCurrentPosition(geoCallback, onError);  
}  
var latitude, longitude, enteredAmount, rate; //global variables  
  
function geoCallback(position) {  
    console.log(position); //received object from geolocation  
    latitude = position.coords.latitude;  
    longitude = position.coords.longitude;  
}
```

2. Using GET request, these coordinates are appended to URL with the Free Code Camp weather Api Service. The received JSON object contains the local weather details, temperature and humidity. The current city and country is also retrieved and displayed on the welcome screen.

```

function getWeather() {
  var url1 = 'https://fcc-weather-api.glitch.me/api/current?lat=';
  var url2 = '&lon=';
  const urlFinal = url1 + latitude + url2 + longitude; //completed
  console.log('Final to be sent to api= ' + urlFinal);
  console.log(typeof urlFinal); //making sure its string datatype

  var http = new XMLHttpRequest(); //making api call with http
  http.open('GET', urlFinal);
  http.send();
}

{
  - coord: {
      lon: -6.37,
      lat: 53.36
    },
  - weather: [
    - {
        id: 310,
        main: "Drizzle",
        description: "light intensity drizzle rain",
        icon: "https://cdn.glitch.com/6e8889e5-7a72-48f0-a061-863548450de5%2F09n.png?1499366021215"
      },
    ],
  base: "stations",
  - main: {
      temp: 1.81,
      feels_like: -5.4,
      temp_min: 1,
      temp_max: 2.22,
      pressure: 983,
      humidity: 95
    },
  visibility: 10000,
  - wind: {
      speed: 7.7,
      deg: 230
    },
  - clouds: {
      all: 40
    },
  dt: 1576383191,
  - sys: {
      type: 1,
      id: 1568,
      country: "IE",
      sunrise: 1576398860,
      sunset: 1576426001
    },
  timezone: 0,
  id: 3315335,
  name: "Annfield",
  cod: 200
}

```

3. The currency rates are received from Exchange Rates Api published by European Central Bank. For Travel Pal, the USD rate against EUR is used.

```

//getting exchange rate via api
fetch('https://api.exchangeratesapi.io/latest?symbols=USD')
  .then(function(response) {
    return response.json();
  })
  .then(function(data) {
    rate = data['rates']['USD'];
  })
  .catch(function() {
    console.log('log::error in fetching exchange rate');
  });

```

```

{
  - rates: {
    CAD: 1.4712,
    HKD: 8.7062,
    ISK: 137,
    PHP: 56.441,
    DKK: 7.4731,
    HUF: 328.85,
    CZK: 25.508,
    AUD: 1.6159,
    RON: 4.7795,
    SEK: 10.449,
    IDR: 15626.84,
    INR: 79.061,
    BRL: 4.5664,
    RUB: 69.993,
    HRK: 7.4398,
    JPY: 122.43,
    THB: 33.729,
    CHF: 1.0982,
    SGD: 1.5106,
    PLN: 4.2726,
    BGN: 1.9558,
    TRY: 6.4822,
    CNY: 7.79,
    NOK: 10.063,
    NZD: 1.6873,
    ZAR: 16.1393,
    USD: 1.1174,
    MXN: 21.2518,
    ILS: 3.8894,
    GBP: 0.83508,
    KRW: 1308.97,
    MYR: 4.6199
  },
  base: "EUR",
  date: "2019-12-13"
}

```

4. A refresh button is added to the top-left corner in the event of a failure or outdated information.
5. When the user enters a number into the input box, the amount is validated and converted to both USD and EUR and displayed above.

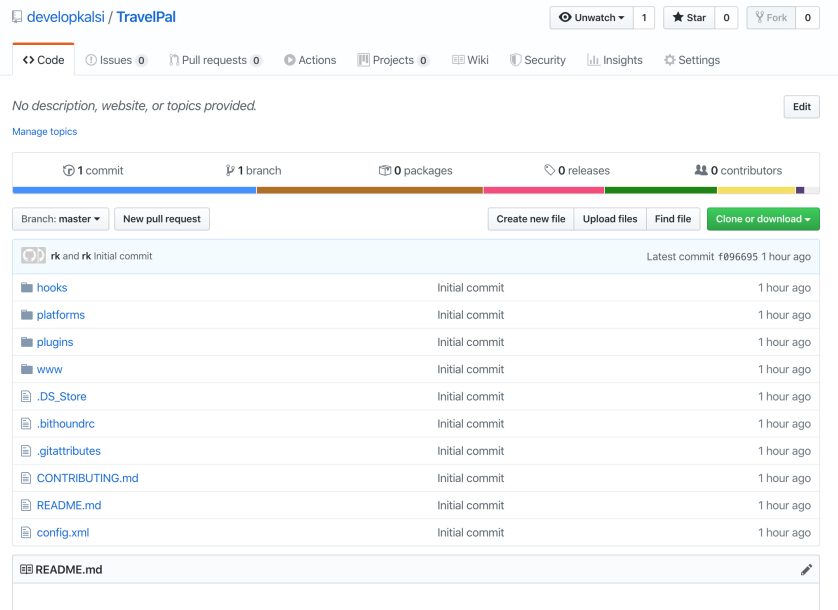
```

function convertAmount() {
  enteredAmount = Math.abs(document.getElementById('enteredAmount').value);
  document.getElementById('currencyPlaceholder').innerHTML =
    '$' + (enteredAmount * rate).toFixed(2) + ' | ' + '€' + (enteredAmount
}

```

\$11.17 | €8.95

6. The project is added to GitHub repository for Adobe Phonegap build.



7. Adobe PhoneGap Build tool is used to obtain the APK file for Android devices.

