

Module 34-API Examples and edge cases

34-1 Basic API concept recap with Kanye West

```
const loadQuotes={()=>{
  fetch("https://api.kanye.rest/")
    .then((response) => response.json())
    .then((json) => displayQuote(json));
}

const displayQuote=(quote)=>{
  const quoteElement = document.getElementById("quote");
  quoteElement.innerText=quote.quote;
}
```

34-2 (advanced) Handle and display Nested API data

```
const loadBuddies = () => {
  fetch("https://randomuser.me/api/?results=5")
    .then((res) => res.json())
    .then((data) => displayBuddies(data));
};

loadBuddies();

const displayBuddies = (data) => {
  const buddies = data.results;
  const buddiesDiv = document.getElementById("buddies");
  for (const buddy of buddies) {
    const p = document.createElement("p");
    p.innerText = `name : ${buddy.name.title} ${buddy.name.first}
${buddy.name.last} email: ${buddy.email}`;
    buddiesDiv.appendChild(p);
  }
};
```

34-3 International Travel, Display countries name, capital

```
const loadCountries = () => {
  fetch("https://restcountries.com/v3.1/all")
    .then((res) => res.json())
    .then((data) => displayCountries(data));
};
```

```

loadCountries();

const displayCountries = (counties) => {
  // console.log(counties);
  // for(const countie of counties)
  // {
  //   console.log(countie);
  // }

  const countriesDiv = document.getElementById("countries");
  counties.forEach((country) => {
    const div = document.createElement("div");
    div.classList.add("country");
    div.innerHTML = `
      <h3>${country.name.common}</h3>
      <p>${country.capital}</p>
    `;
    countriesDiv.appendChild(div);
  });
};

```

34-4 (advanced) Call dynamic API, load dynamic data to display

34-5 Explore meal db api and create dynamic url to load meals

```

const searchFood=()=>{
  const searchField = document.getElementById("search-field");
  const searchText=searchField.value;
  searchField.value='';

  const url =
`https://www.themealdb.com/api/json/v1/1/search.php?s=${searchText}`;
  fetch(url)
  .then((res)=>res.json())
  .then((data)=>console.log(data.meals));
}

```

34-6 Display dynamic search result using bootstrap cards

```

const searchFood = () => {
  const searchField = document.getElementById("search-field");
  const searchText = searchField.value;
  searchField.value = "";
}

```

```

    const url =
`https://www.themealdb.com/api/json/v1/1/search.php?s=${searchText}`;
    fetch(url)
      .then((res) => res.json())
      .then((data) => displaySearchResut(data.meals));
  });

const displaySearchResut = (meals) => {
  const searchResult = document.getElementById("search-result");

  meals.forEach((meal) => {
    console.log(meal);
    const div = document.createElement("div");
    div.classList.add("col");
    div.innerHTML = `
      <div class="card h-100">
        
        <div class="card-body">
          <h5 class="card-title">${meal.strMeal}</h5>
          <p class="card-text text-justify">
            ${meal.strInstructions.slice(0, 300)}
          </p>
        </div>
      </div>
    `;
    searchResult.appendChild(div);
  });
};

```

34-7 Create dynamic url based on click and display data

```

const loadMealDetail = (mealId) => {

  const url =
`https://www.themealdb.com/api/json/v1/1/lookup.php?i=${mealId}`;
  fetch(url)
    .then((res) => res.json())
    .then((data) => displayMealDetail(data.meals[0]));
};

function displayMealDetail(meal) {
  const mealDetails = document.getElementById("meal-details");

```

```

const div = document.createElement("div");
div.classList.add("card");
div.innerHTML = `
  
  <div class="card-body">
    <h5 class="card-title">${meal.strMeal}</h5>
    <p class="card-text">
      ${meal.strInstructions.slice(0, 300)}
    </p>
    <a href="${
      meal.strYoutube
    }" class="btn btn-primary">Go somewhere</a>
  </div>
`;
mealDetails.appendChild(div);
}

```

34-8 (advanced) Remove previous result and async await

34-9 Module Summary handle fetch error, use try catch