CSIT884 Web Development

Week 11 Exercise – AJAX

Please submit the **zip file containing the source code files** to the entry named "Week 11 Exercise – AJAX" on Moodle before **19:00 Sunday, Week 11**.

Q1. Create a JSON document `faculty.json` with the following content:

```json
{
  "name": "Faculty of Engineering and Information Sciences",
  "abbreviation": "EIS",
  "email": "eis@uow.edu.au",
  "web": "www.uow.edu.au/engineering-information-sciences"
}
```

Create a web page `Question1.html`.
On the web page, display a button "Get Faculty Details".
When the user clicks this button, write an AJAX call to get the above JSON file, parse the JSON into a JavaScript object, and then display the JavaScript object on the webpage as follows:

Q2. Create a JSON document `airport.json` with the following content:

```
{
```

```json
  "searchQuery": "Australia",
  "searchResult": [
    {
      "airportName": "Sydney Airport",
      "ICAO": "YSSY",
      "IATA": "SYD",
      "city": "Sydney",
      "country": "Australia"
    },
    {
      "airportName": "Canberra Airport",
      "ICAO": "YSCB",
      "IATA": "CBR",
      "city": "Canberra",
      "country": "Australia"
    },
    {
      "airportName": "Brisbane Airport",
      "ICAO": "YBBN",
      "IATA": "BNE",
      "city": "Brisbane",
      "country": "Australia"
    },
    {
      "airportName": "Adelaide Airport",
      "ICAO": "YPAD",
      "IATA": "ADL",
      "city": "Adelaide",
      "country": "Australia"
    },
    {
      "airportName": "Hobart International Airport",
      "ICAO": "YMHB",
      "IATA": "HBA",
      "city": "Hobart",
      "country": "Australia"
    },
    {
      "airportName": "Melbourne Airport",
      "ICAO": "YMML",
      "IATA": "MEL",
      "city": "Melbourne",
      "country": "Australia"
    },
    {
      "airportName": "Perth Airport",
      "ICAO": "YPPH",
      "IATA": "PER",
      "city": "Perth",
      "country": "Australia"
    },
    {
      "airportName": "Darwin International Airport",
      "ICAO": "YPDN",
      "IATA": "DRW",
      "city": "Darwin",
      "country": "Australia"
    }
  ]
}
```

Create a web page `Question2.html`.
On the web page, display a button "Search Airport".
When the user clicks this button, write an AJAX call to get the above JSON file, parse the JSON into a JavaScript object, and then display the JavaScript object on the webpage as follows:

Search Airport

Search Query: Australia

Airport	ICAO	IATA	Location
Sydney Airport	YSSY	SYD	Sydney, Australia
Canberra Airport	YSCB	CBR	Canberra, Australia
Brisbane Airport	YBBN	BNE	Brisbane, Australia
Adelaide Airport	YPAD	ADL	Adelaide, Australia
Hobart International Airport	YMHB	HBA	Hobart, Australia
Melbourne Airport	YMML	MEL	Melbourne, Australia
Perth Airport	YPPH	PER	Perth, Australia
Darwin International Airport	YPDN	DRW	Darwin, Australia