

Plane Salesman

Plane Salesman is a website made to sell planes to airlines opening up new routes to fly. They can specify what kind of route they're opening up and they will be given guidelines and suggestions on which model of plane to purchase to fly that route.

GET Get Route Names

```
http://127.0.0.1:8080/journeys
```

This request is made to fill up the dropdown menu with the names of all possible available routes. It lists all keys in the journeys JSON.

Plain Text

```
app.get('/journeys', function (req, resp) {  
  const keys = Object.keys(journeys);  
  resp.send(keys);  
});
```

Example Output:

Plain Text

```
[  
  "London-Paris",  
  "London-New York",  
  "Paris-Singapore",  
  "Berlin-Tokyo",  
  "Amsterdam-Barcelona",  
  "Istanbul-Mardin",  
  "Istanbul-Edinburgh"  
]
```

GET Get Specific Route Data

```
http://127.0.0.1:8080/journeys/London-Paris
```

This request is made to fill up the table with the values relating to the user-selected route. It gets route specific data from the specified JSON key.

Plain Text

```
app.get('/journeys/:journey', (req, resp) => {  
  const journey = req.params.journey;  
  
  const details = journeys[journey];
```

Example Output:

Plain Text

```
{  
  "Start": "London",  
  "Destination": "Paris",  
  "Distance": "340 km",  
  "Haul": "Short",  
  "ExpectedPassengers": "170",  
  "Transcontinental": "No"  
}
```

GET Get Plane Data

```
http://127.0.0.1:8080/planes
```

This request gets all of the plane values from the JSON in order to fill up the table that has all of the plane data for the customer to make a decision.

Plain Text

```
app.get('/planes', function (req, resp) {  
  const planeValues = Object.values(planes);  
  resp.send(planeValues);  
});
```

Example Output:

Plain Text

```
[  
  {  
    "name": "Boeing 787-9 Dreamliner",  
    "Image": "11.jpg",  
    "MaximumRange": "14140 km",  
    "MaximumSpeed": "954 km/h",  
    "PassengerCapacity": "296",  
    "Price": "$200 M",  
    "Info": "Makes many new routes possible. Good fuel efficiency. Suitable for very long  
  },  
  {
```

GET Get the INFO Value of a Specific Plane

GET Get the INFO value of a Specific Plane

```
http://127.0.0.1:8080/planes/Boeing787-9Dreamliner
```

Gets the INFO variable from the plane JSON for the specified plane key. Used to fill in an empty box and lead the customer to buy/not buy the selected plane.

Plain Text

```
app.get('/planes/:plane', function (req, resp) {  
  const plane = req.params.plane;  
  const info = planes[plane].Info;  
  resp.send(info);  
});
```

Example Output:

Plain Text

Makes many new routes possible. Good fuel efficiency. Suitable for very long routes. Has a width of 63 m and height of 17 m.

POST Add a new route

```
http://127.0.0.1:8080/journeys/new
```

A post request adding a new route that can be accessed via dropdown menu and table. Made so a customer can add the information relating to the new route they're opening so they can be suggested on which plane(s) to purchase.

Takes:

- start,
- destination,
- distance,
- haul,
- expected passengers,
- transcontinental

as variables.

Plain Text

```
app.post('/journeys/new', function (req, resp) {  
  const start = req.body.start;  
  const destination = req.body.destination;  
  const distance = req.body.distance;  
  const haul = req.body.haul;  
  const passengers = req.body.passengers;  
  const transcontinental = req.body.transcontinental;
```

```
const key = start + '-' + destination;
journeys[key] = {
  Start: start,
```

POST Add a new plane

`http://127.0.0.1:8080/planes/new`

An admin side post request for when a new plane is added to the set of sold planes. Used to add a new plane and its information to the table.

Takes:

- model,
- image,
- maximum range,
- maximum speed,
- passenger capacity,
- price,
- additional info

as variables.

Plain Text

```
app.post('/planes/new', function (req, resp) {
  const name1 = req.body.name;
  const img = req.body.image;
  const range = req.body.range + ' km';
  const speed = req.body.speed + ' km/h';
  const passenger = req.body.passenger;
  const price = '$' + req.body.price + ' M';
  const info = req.body.info;
  const key = name1.replace(/\s+/g, '');
}
```