

Design: Service Layer

Event Planner

Service Layer

There were only a couple changes made in the re-design. The first change, is the event date was added to the homepage so the POST request when creating a new event has been updated to reflect the same. My Event Planner web application will only consist of two pages (index.html and event.html) and, therefore, both are necessary for the MVP. As a stretch goal, I want to add the Attendance, Receipts and Cost sections to the event.html page.

<https://xxxxxxx.com/events/{event name}/>

Service Endpoints

POST /event/{event name} – This will create a new event

GET /event/{event name} – This will return an event

PUT /event/{event name} – This will update an event

DELETE /event/{event name} – This will delete an event

Example Requests/Responses - MVP

- Creates a new event called ExampleEvent

POST /event/ExampleEvent

```
{
  "EventID": "0",
  "Name": "ExampleEvent",
  "EventDate": "xx/xx/xx"
}
```

- Event ExampleEvent created.

- Returns the event called ExampleEvent

GET /event/ExampleEvent

```
{
  "EventID": "0",
  "Name": "ExampleEvent",
  "EventDate": "xx/xx/xx",
}
```

```
    "Notes": "xxxxxxxx xxxx xxxxx xxxx x xxx xxxxx."
  }
```

- Updates the event called ExampleEvent

```
PUT /event/ExampleEvent
{
  "Name": "xxxxx xxxx xxx",
  "EventDate": "xx/xx/xxxx",
}
```

- Event ExampleEvent updated.

- Deletes the event called ExampleEvent

```
DELETE /event/ExampleEvent
```

- Event ExampleEvent deleted.

- Error message for bad input

```
PUT /event/ExampleEvent
{
  "Quantity": "",
}
```

- Error Message: "Invalid Type. Expected integer but got Null."

– Stretch Goal

- Updates the event called ExampleEvent

```
PUT /event/ExampleEvent
{
  "Attendance": "xxx",
  "Cost": "x,xxx.xx",
}
```

- Event ExampleEvent updated.

- Returns the event called ExampleEvent

```
GET /event/ExampleEvent
{
  "EventID": "0",
}
```

```
    "Name": "ExampleEvent",
    "EventDate": "xx/xx/xx",
    "Notes": "xxxxxxxx xxxx xxxxx xxxx x xxx xxxxx.",
    "Attendance": "xxx"
}
```

- Error message for bad input

```
PUT /event/ExampleEvent
{
  "Attendance": "three",
}
```

- Error Message: "Invalid Type. Expected integer, not varchar."

Event Planning App

Create New Event

Date

☐ Delete

<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>

Event Planning App

Name of the event... ☐

XX/XX/XX ☐

Back

Save

☐ Edit

☐ Delete

Inventory

Item Name	Quantity	Assigned	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Add

Notes

Attendance

Receipts

Name	Amount	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

Add

Cost Per Individual

Number of people paying:

Total cost per person = \$XX.XX