☰   ▸_ (/learn)   ⚙   📋

Experiments

In this lesson, we'll look at a few things you can do to experiment with the app.

We'll cover the following ⌃

- Try it yourself!
- Add your own microservice!

Here are a few experiments you can try on the app:

- Press the **RUN** button to start the example.

- Disable JavaScript in the browser. Is the example still usable? Specifically, does the *postbox* integration still work?

- Analyze the JavaScript code for transclusion at https://github.com/ewolff/crimson-styleguide/tree/master/components/preview (https://github.com/ewolff/crimson-styleguide/tree/master/components/preview). How difficult is it to replace this code with an implementation that uses a different JavaScript library? Try it in the live app below!

Try it yourself!#

> Note: it might take a while for the app to set up.

```yaml
version: '3'
services:
  crimson-backend:
    image: educative1/mapi_crimson-assurance-demo_crimson-backend
    ports:
      - "8080:8080"
    environment:
      - PORT=8080
  crimson-portal:
    image: educative1/mapi_crimson-assurance-demo_crimson-portal
    ports:
      - "3000:3000"
    links:
     - crimson-backend
    environment:
      - PORT=3000
      - BACKEND_HOST=crimson-backend
      - BACKEND_PORT=8080
      - ROCA_URL=http://${CRIMSON_SERVER:-localhost}:3000
      - POSTBOX_URL=http://${CRIMSON_SERVER:-localhost}:3001
      - LETTER_URL=http://${CRIMSON_SERVER:-localhost}:3002
      - DAMAGE_URL=http://${CRIMSON_SERVER:-localhost}:3003
  crimson-damage:
    image: educative1/mapi_crimson-assurance-demo_crimson-damage
    ports:
      - "3003:3003"
    links:
     - crimson-backend
    environment:
      - PORT=3003
      - BACKEND_HOST=crimson-backend
      - BACKEND_PORT=8080
      - ROCA_URL=http://${CRIMSON_SERVER:-localhost}:3000
      - POSTBOX_URL=http://${CRIMSON_SERVER:-localhost}:3001
  crimson-postbox:
    image: educative1/mapi_crimson-assurance-demo_crimson-postbox
    ports:
      - "3001:3001"
    links:
     - crimson-backend
    environment:
      - SERVER_PORT=3001
      - lasRestServiceUrl=http://crimson-backend:8080
      - lasRocaUrl=http://${CRIMSON_SERVER:-localhost}:3000
      - ROCA_URL=http://${CRIMSON_SERVER:-localhost}:3000
  crimson-letter:
    image: educative1/mapi_crimson-assurance-demo_crimson-letter
    ports:
      - "3002:3002"
    links:
     - crimson-backend
    environment:
      - PORT=3002
      - BACKEND_HOST=crimson-backend
```

```
- BACKEND_PORT=8080
- ROCA_URL=http://${CRIMSON_SERVER:-localhost}:3000
- POSTBOX_URL=http://${CRIMSON_SERVER:-localhost}:3001
```

Add your own microservice!

Supplement the system with an additional microservice.

- A microservice that generates a note for a meeting with a client can serve as an example.

- Of course, to add the service you can copy and modify one of the existing `Node.js` or the Spring Boot microservice.

- The microservice has to be accessible by the **portal** microservice. To achieve this, you have to integrate a link to the new microservice into the portal.

- The link can provide the partner ID to the new microservice. This ID identifies the customer and might be useful in figuring out which customer the note belongs to.

- After entering the note, the microservice can trigger a redirect back to the portal.

- For a uniform look and feel, you have to use the assets from the style guide project. The Spring Boot project for the **postbox** shows the integration for Spring/Java and the portal for `Node.js`. Of course, you can also use other technologies for the implementation of the new microservice.

- The microservice can store the data concerning the meeting in a separate database.

Try this in the live app above!

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What is the purpose of the style guide project?

You may choose more than one answer.

☐ **A)** All microservices use this in order to maintain a uniform look and feel across the frontend.

☐ **B)** To guide all the frontend developers about coding conventions that must be maintained throughout the project.

☐ **C)** To keep visual consistency.

Submit Answer

<   Question 1 of 2   >
    0 attempted

Reset Quiz ↻

In the next lesson, we'll look at a conclusion to this chapter.

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