

SANDBOXING

Deliverable for this lab: briefly add the following information to the deliverable

- **1.1 + 1.2: screenshot of the deployed app with the iframe**
- **1.3: screenshot of the source code + output of the developer console of your browser**

1.1 Prepare it

Create two folders, each containing an index.html file. Call the first folder 'mainApp' and the second folder 'secondaryApp'.

Copy paste the following in the index.html file of the 'secondaryApp' folder and then host it on Netlify. Note down the Netlify url.

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<h2>Sandboxing demo - secondary app</h2>
<div id="demo">
<p>This is a small web page loading news articles</p>
</div>

<script>
function sleep(ms) {
  return new Promise(resolve => setTimeout(resolve, ms));
}

async function run() {
  var numberOfpopups = 0
  while (numberOfpopups < 100)
  {
    await sleep(2000);
    alert('Hi, visit www.buy.this!');
    numberOfpopups ++;
  }
}

run()
</script>
</body>
</html>
```

1.2 Iframe it

Create an index.html file in the 'mainApp' folder that contains an iframe pointing to the secondary app's index.html (the Netlify url you noted down earlier).

Upload this mainApp to Netlify as well and open it. What happens?

1.3 Sandbox it

An obvious solution would be to NOT iframe the annoying secondaryapp. However, sometimes such an iframe may well-behave at first, and only start mis-behaving later. Use the sandbox property to ensure the iframed app cannot show pop-ups to users.