

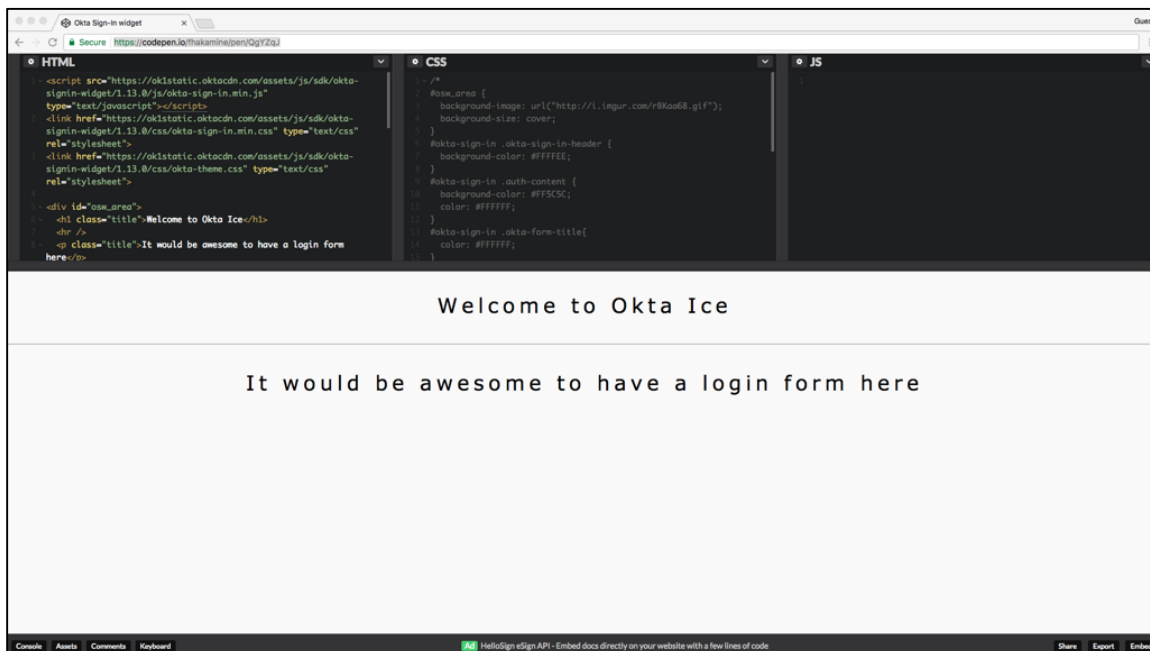
## Lab 1: Configure the Okta Sign-In Widget

**Objective** Develop your own page using the Okta Sign-In widget.

**Duration** 10-15 minutes

### Launch Code Pen

1. In your browser, navigate to <https://codepen.io/fhakamine/pen/QgYZqJ>.
2. An HTML page is displayed:



**Tip:** CodePen is a social development environment typically used by front-end designers and developers to prototype pages, show your work, and find inspiration.

1. Click **Fork** and then click **Save as anonymous**.
2. Bookmark the Code Pen URL.

**Tip:** You'll use this URL until the end of this lab.

### Implement the Sign-In Widget code

1. In Code Pen's HTML area, uncomment the lines 13-29.  
To remove comments in HTML, remove the lines `<!--` and `-->`.
3. Optionally, review the code.

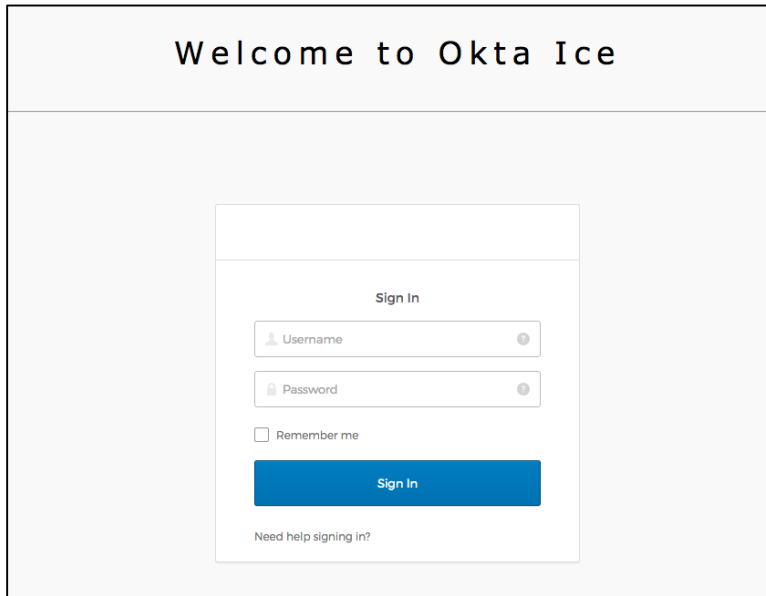
Line	What it provides
1-3	Download the Sign-In Widget from Okta.
10	A <code>div</code> element that indicates where the sign-in widget will be displayed.
13-29	JavaScript code that sets up the Sign-In Widget in the page.

4. Comment line **8**, to remove the message "It would be awesome to have a login form here" from the page.

5. Replace the **orgUrl** value to match your unique Okta org. For example:

```
var orgUrl = 'https://girlswhocode.oktapreview.com';
```

6. Confirm that the Sign-In Widget is displayed as follows:



7. Sign in with your credentials  
8. Answer the questions:

**Are you logged into Okta?**

**Answer:**

**Why or why not?**

**Answer:**

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## Lab 2: Authorize the Sign-In Widget

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<b>Objective</b>	Configure Okta to authorize the Sign-In widget execution.
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<b>Duration</b>	10 minutes
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### Add Code Pen as a Trusted Origin and allow execution from iframes

**Note:** Although your code is ready, you cannot log into Okta because:

- The website where the Sign-In Widget is placed (**Code Pen**) is not authorized to make requests to Okta.
- Your Code Pen is running from an iframe.

In this section, you configure your Okta security to enable the login.

1. In your browser, open a new tab.
2. Access your Okta org.
3. In the Admin page, navigate to **Security > API**.
4. In the **Trusted Origins** tab, click **Add Origin**.
5. Provide the information as follows:

Attribute	Value
Name	Okta Sign In Widget
Origin URL	https://s.codepen.io
CORS	checked
Redirect	Unchecked

6. Click **Save**.
7. Click **Settings > Customization**.
8. Scroll down to IFrame Embedding and click **Edit**.
9. Select **Allow IFrame embedding** and click **Save**.
10. **Sign out** of the Okta Admin app.  
You're ready to test your integration

### Test the Okta Sign-In Widget

1. Return to your codepen.
2. Sign into Okta.  
You are redirected to the Okta home page.
3. Sign out of Okta.

### Checkpoint

At this point, you installed, configured, and tested the Sign-In Widget. In the next practice, you learn to perform the most popular UI customizations available in the Sign-In widget.

## Lab 3: Customize the Sign-In Widget UI

Objective	Perform the most popular Sign-In Widget customizations.
Duration	10 minutes

### Collect images

1. Go to the Github address indicated by your instructor.
2. Copy the URL for your favorite logo and paste in Notepad.
3. Copy the URL for your favorite background and paste it in Notepad.

### Change the Sign-In Background

1. Return to your Code Pen.
2. On the CSS area, uncomment lines 1-16.  
To remove comments in HTML, remove `/*` and `*/`.  
The Sign-In widget will display a custom background and different colors.
3. Observe the CSS snippets:

Code snippet	What it does
<code>#osw_area</code>	Defines the page background
	Defines the colors inside the sign-in form.
Styles starting with <code>#okta-sign-in</code>	<b>Note:</b> To check what css classes you can edit inside the widget – under the <code>#okta-sign-in</code> class, download and review the <b>okta-theme.css</b> file: ( <a href="https://ok1static.oktacdn.com/assets/js/sdk/okta-signin-widget/1.7.0/css/okta-theme.css">https://ok1static.oktacdn.com/assets/js/sdk/okta-signin-widget/1.7.0/css/okta-theme.css</a> ).

4. Under `#osw_area`, replace the background-image url with the background you collected from Github:

```
background-image: url("<YOUR_BACKGROUND_URL>");
```

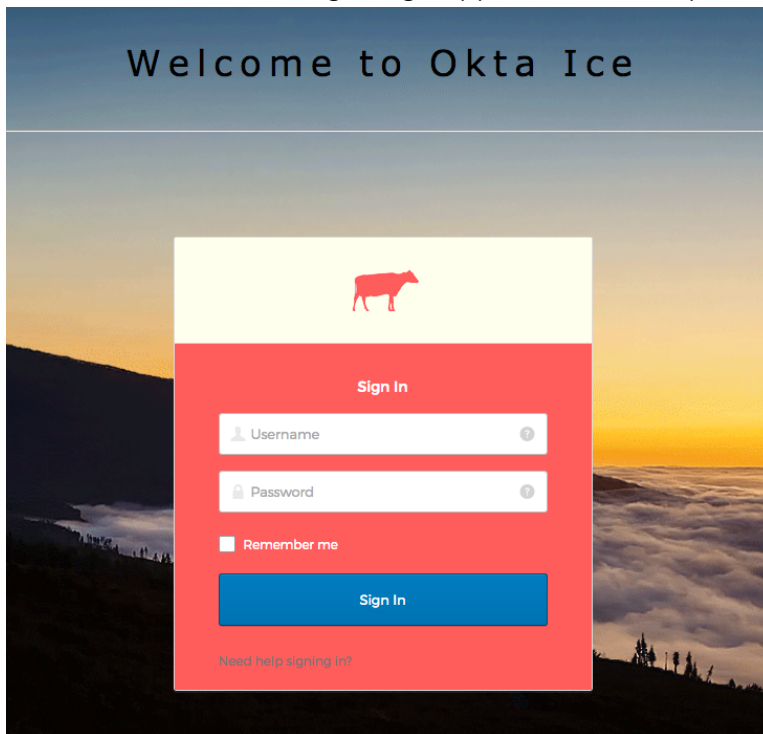
5. Your custom background is displayed.

### Change the Sign-In Logo

1. In the HTML tab, add the following under `baseUrl:orgUrl` to add a logo:

```
var oktaSignIn = new OktaSignIn({
  baseUrl: orgUrl,
  logo: '<YOUR_LOGO_URL>'
});
```

2. Confirm that the new login logo appears. For example:



## Customize the Sign-In Colors

1. In the CSS tab, replace the color codes (in bold below) with one of the color schemas provided by your instructor.

```
#okta-sign-in .okta-sign-in-header {  
  background-color: #FFFFFF;  
}  
#okta-sign-in .auth-content {  
  background-color: #FF5C5C;  
  color: #FFFFFF;  
}  
#okta-sign-in .okta-form-title {  
  color: #FFFFFF;  
}
```

2. As you modify each color, check the results in your page.

**Notes:** To know more about all options available with the Sign-In Widget, check the reference page: [https://developer.okta.com/code/javascript/okta\\_sign-in\\_widget\\_ref](https://developer.okta.com/code/javascript/okta_sign-in_widget_ref).

## Lab 4: Customize Post Login

<b>Objective</b>	Change the Sign-In behavior after login.
<b>Duration</b>	10 minutes

### Add a message after Login

1. In the HTML tab, add the following code before `setCookieAndRedirect`:

```
window.alert("Hey "+res.user.profile.firstName+"\n.Dont share  
your email (" +res.user.profile.login+" ) with bad guys.");
```

#### Notes:

- The `window.alert` pauses the code execution after a successful login and present a reminder to the end-user.
- The logged user information – first name and login – will be presented after the login.

2. Optionally, change the message according to your preferences.

### Test

1. Sign into Okta and confirm that the alert message is displayed.
2. Click Ok.  
You are redirected to the Okta home page.
3. Sign out of Okta.

### Checkpoint

You finished developing your own login page using the Sign-In Widget.

## Appendix: Register an App to access without login (Single Sign-On)

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<b>Objective</b>	Configure Single Sign On (SSO).
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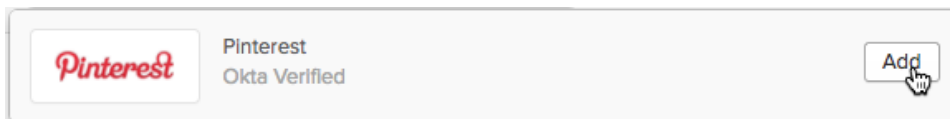
<b>Duration</b>	5-10 minutes
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**Tip:** Okta has a catalog with more than 5000 apps that you can login without passwords. In this example, we configure SSO to Pinterest.

### Configure LinkedIn using SWA

1. Access your Okta org.
2. In the Admin console, click **Applications**.
3. Click **Add Application**.
4. In the **Search for an application** field, search for **Pinterest** and then click **Add**.



A dialog box appears.

3. Complete the fields as follows and then click **Save and Assign**.

Attribute	Value
Who sets the credentials?	Users share a single username and password set by administrator.
Shared Username	oktatraining@okta.com
Shared Password	*provided by the instructor

### To Assign and share your app with other users

1. In the Pinterest app, click **Assignments** tab.
2. Click **Assign > Assign to Users**.
3. Search and assign the app for the users of your preference. Make sure to include you as a user.

### Test the access

1. Click **My Applications**.
2. If needed, follow the instructions in the screen to install the Okta sign-in widget.
3. Click **Pinterest** app.  
You should access Pinterest without having to login.
4. Close the Pinterest browser tab.