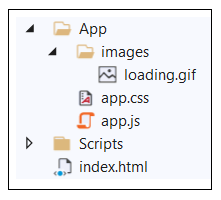
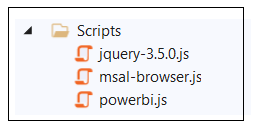
# Salesforce User-Owns-Data Embedding App

This sample project named [**SalesforceUserOwnsDataApp**](https://github.com/PowerBiDevCamp/SalesforceUserOwnsDataEmbedding/tree/main/SalesforceUserOwnsDataApp) consists of a very simple Single Page Application (SPA) that implements User-Owns-Data embedding with Power BI reports. The solution is built using three essential files which include [**index.html**](https://github.com/PowerBiDevCamp/SalesforceUserOwnsDataEmbedding/blob/main/Dist/index.html), [**app.css**](https://github.com/PowerBiDevCamp/SalesforceUserOwnsDataEmbedding/blob/main/Dist/App/app.css) and [**app.js**](https://github.com/PowerBiDevCamp/SalesforceUserOwnsDataEmbedding/blob/main/Dist/App/app.js). This solution contains an option fourth file named **loading.gif** which is used to demonstrate a white-label loading technique in which the developer can display a custom loading image instead of the standard Power BI branded loading image.

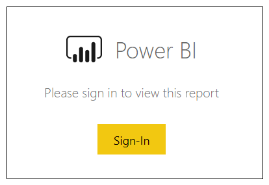


The **SalesforceUserOwnsDataApp** project uses three different JavaScript libraries which include [jQuery](https://jquery.com/), [Microsoft Authentication Library for JavaScript v2](https://github.com/AzureAD/microsoft-authentication-library-for-js/tree/dev/lib/msal-browser) (**msal-browser.js**) and the [Power BI JavaScript library](https://docs.microsoft.com/en-us/javascript/api/overview/powerbi/) (**powerbi.js**).



Once this SPA application has been deployed and configured, you can integrated it into a Salesforce environment using iFrame tags. This techniques makes it possible to embed Power BI report in VisualForce pages, Lighting Applications and Lighting Aura components.

A central motivation for this project is to provide a User-Owns-Data embedding experience in the Salesforce environment with more flexibility than the out-of-the-box [Secure Embed feature](https://docs.microsoft.com/en-us/power-bi/collaborate-share/service-embed-secure). In particular, when embedding a Power BI report using an iFrame generated for the Secure Embed feature, the user must click the Sign-in button each time they begin a new browser session.



This need for user interaction to load a Power BI report has the potential to make our end users a bit cranky. A embedding solution using **SalesforceUserOwnsDataApp** provides the following advantages over implementing User-Owns-Data embedding using the Secure Embed feature.

* When users log in the first time, their credentials are cached in the browser using refresh tokens.
* Once user credentials are cached, embed reports will automatically load without requiring interaction.
* This app uses a white-labelling technique to hide the Power BI logo which is exchanged for an animated GIF with a custom loading image.

## Setting Up this Sample

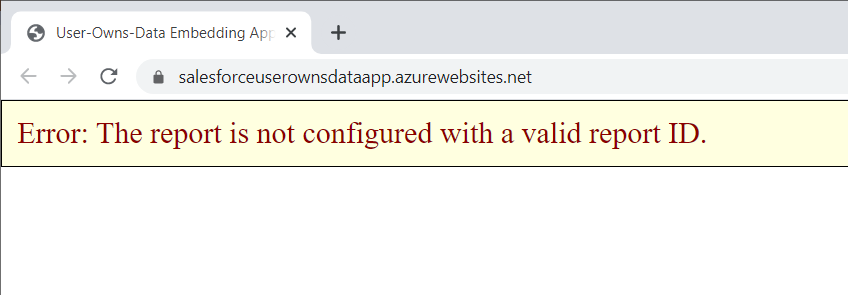
Setting up this application requires the following steps.

* Create an Azure AD application
* Download the application files and configure app.js to use your application ID
* Upload the application files to any location where they can be accessible through an HTTPS URL.
* Update the Azure AD application with the URL for the domain where you published application files.
* Test embedding a Power BI report by going directly to the application's URL.
* Embed the report in Salesforce by adding iFrames to VisualForce pages and

## Heading 1

Video provides a powerful way to help you prove your point. When you click Online Video, you can paste in the embed code for the video you want to add. You can also type a keyword to search online for the video that best fits your document.

To make your document look professionally produced, Word provides header, footer, cover page, and text box designs that complement each other. For example, you can add a matching cover page, header, and sidebar. Click Insert and then choose the elements you want from the different galleries.



Themes and styles also help keep your document coordinated. When you click Design and choose a new Theme, the pictures, charts, and SmartArt graphics change to match your new theme. When you apply styles, your headings change to match the new theme.

Save time in Word with new buttons that show up where you need them. To change the way a picture fits in your document, click it and a button for layout options appears next to it. When you work on a table, click where you want to add a row or a column, and then click the plus sign.

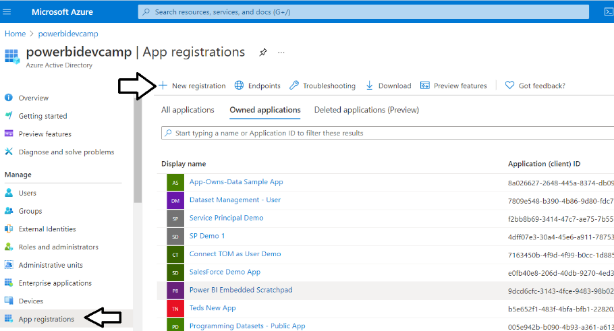
Reading is easier, too, in the new Reading view. You can collapse parts of the document and focus on the text you want. If you need to stop reading before you reach the end, Word remembers where you left off - even on another device.

## Heading 2

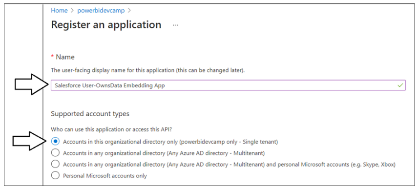
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Here is some text



Here is more text

