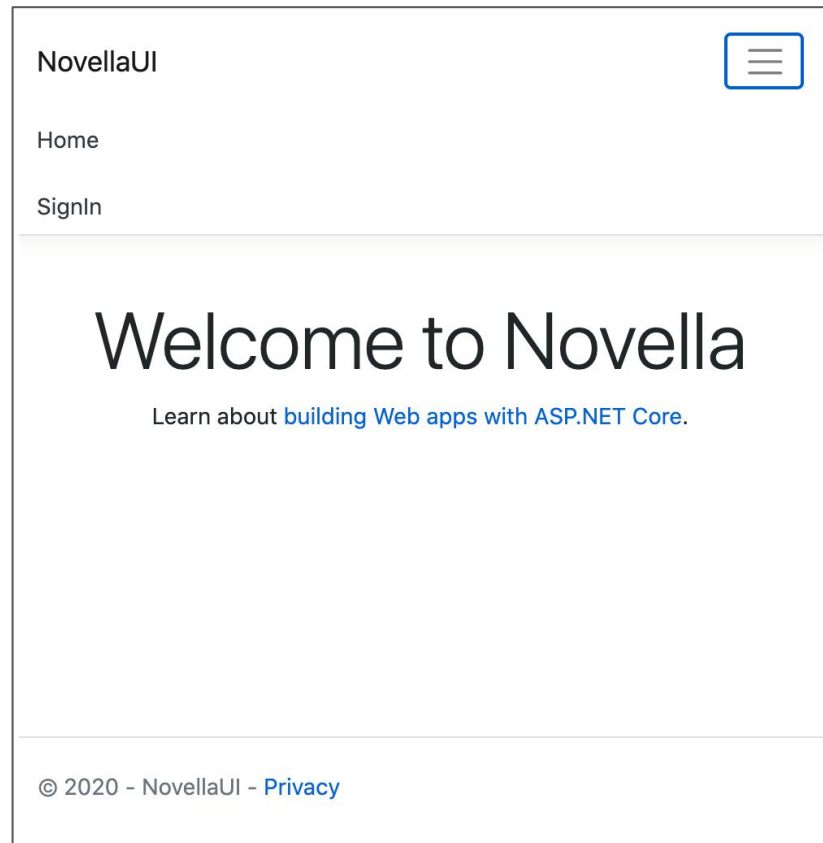


Adding Okta SSO to my website

by Robert Nicolo

What was built

- Website built for hypothetical Novella company
- Built on a .Net tech stack including ASP.NET Core and Visual Studio

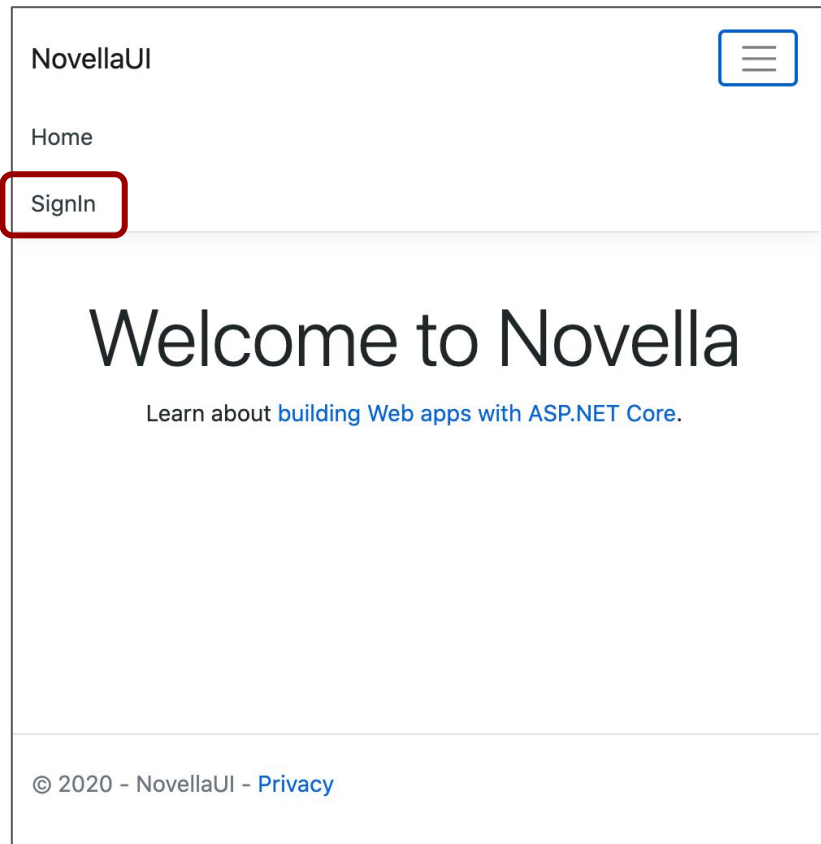


How it was built

- Created a project in Visual Studio using the ASP.NET MVC website template
- Followed the documentation on developer.okta.com starting with this page:
<https://developer.okta.com/docs/guides/build-sso-integration/overview/>

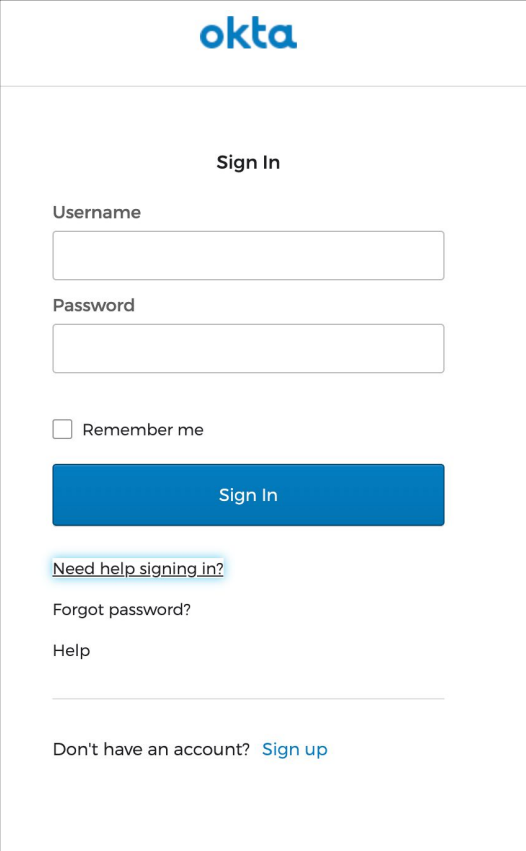
Sign in link

- Added sign in functionality
- Clicking on the SignIn link redirects to the Okta sign in page



Okta sign in page

- Sign in page supports the following:
 - MFA
 - New user registration
 - Password reset



The image shows a mockup of the Okta Sign In page. At the top right is the Okta logo. Below it is the title "Sign In". There are two input fields: "Username" and "Password". Below the password field is a checkbox labeled "Remember me". A blue "Sign In" button is positioned below the checkbox. Underneath the button is a link that says "Need help signing in?". Below that are two more links: "Forgot password?" and "Help". At the bottom, there is a horizontal line and then the text "Don't have an account? Sign up", where "Sign up" is a blue link.

okta

Sign In

Username

Password

☐ Remember me

Sign In

[Need help signing in?](#)

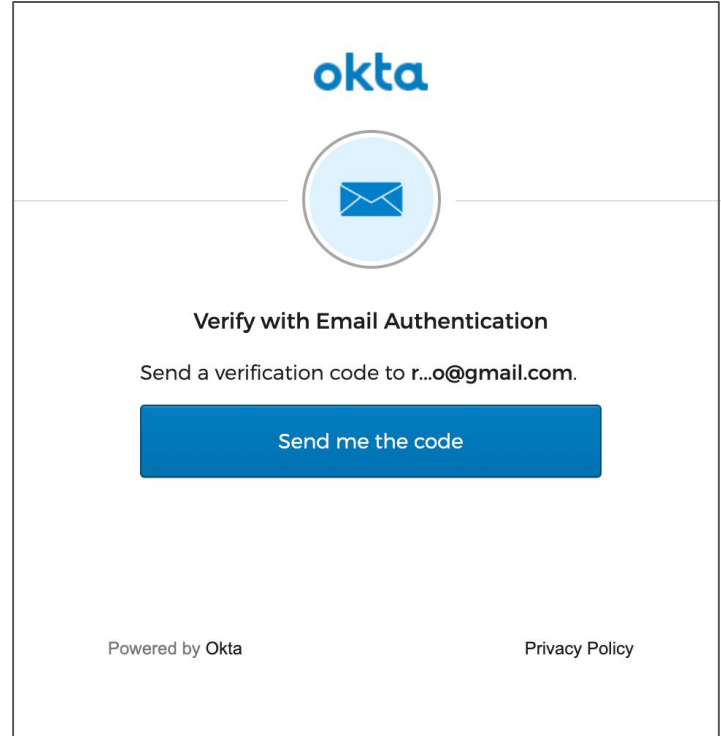
[Forgot password?](#)

[Help](#)

Don't have an account? [Sign up](#)

Sign in with multi factor authentication (MFA)

- Screenshot to the right shows the MFA support



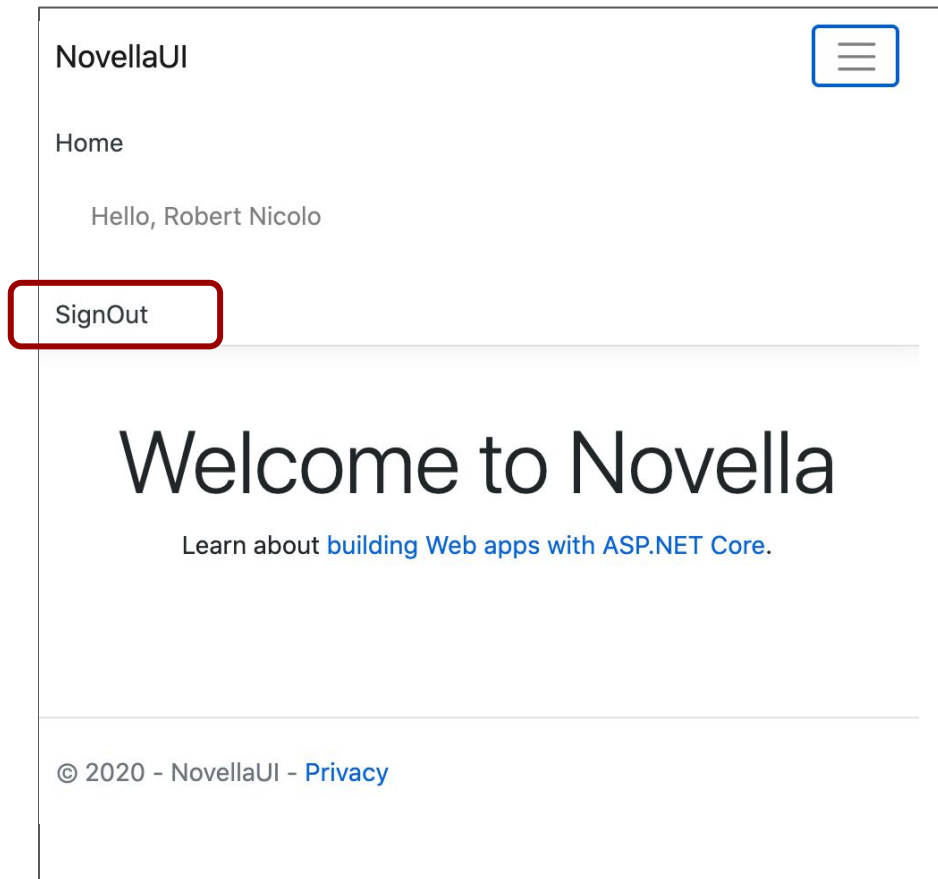
Sign In functionality

- Displays username
- Username is pulled from:
User.Identity.Name in
_Layout.cshtml



Sign out functionality

- The SignOut link signs the user out and redirects back to the home page



What I liked about the experience

- Adding additional features such as MFA, and user self service required no code change
- The Okta admin console was relatively easy to use for the following tasks:
 - Adding applications, people, and groups
 - Setting up MFA and Self Service Registrations
- Minimal ASP.Net integration points

What I didn't like about the experience

- Not having access to a troubleshooting guide to resolve errors
- Some of the error messages were not clear
- Unsure which integration type to choose (eg. SSO Page, widget, etc)
- Not clear at times what were the next steps when finishing a guide
- The documentation was lacking guidance in several areas. See **Okta integration doc recommendations** for a list of recommended changes.

If I had more time I would explore ...

- **Authorization:** Creating an Admin group and assign people to that group. The site would allow such “Admins” additionality functionality.
- **Okta Widget:** Successfully integrate the Okta widget