

Full Stack Software Engineer – Windows Cyber Defense

The team and position

Thank you for your interest in the Full Stack Software Engineer position on the Windows Cyber Defense team.

The Windows Defender Advanced Threat Protection (ATP) service helps enterprise customers detect, investigate, and respond to advanced and targeted attacks on their networks.

The Windows Cyber Defense team is building a new enterprise cloud service, Windows Defender ATP, which provides a post-breach protection layer on top of the existing Windows 10 pre-breach security defenses, which enables security teams in large organizations to detect cyber-attacks, investigate their scope and impact, and to remediate the threat to the organization.

You're invited to watch 2 short videos of [our product announcement](#) and product highlights in the [Windows 10 Creators Update](#).

We are looking for top-notch full stack developers who are passionate about creating solutions for complex problems and developing experiences that delight users. Our customer-facing web portal, Windows Security Center, lets customers investigate advanced attacks by visualizing huge amounts of data about endpoints in their organization in an easy to understand and clean UX.

Qualified candidates must meet the following requirements:

- 3+ years of front end development experience
- Team player, confident, and enthusiastic
- Very hands-on person
- Self-learning ability to quickly ramp up on new technologies

Knowledge in any of the following is an advantage:

- Experience in HTML5, CSS3, & JavaScript
- Experience in developing responsive UI both for web and mobile
- Deep understanding and experience with client-side scripting and JavaScript frameworks, including jQuery, AngularJS, & Bootstrap
- ASP.NET MVC and ASP.NET Web API
- Experience with React

Technical assignment

Your challenge is to implement a favorites website as follows:

- Consist of 2 main pages, with a navigation-bar (see mockups below)
- The **Navigation-bar** should include 2 links:
 - Favorites
 - Actions log (history)
- The **Favorites** page should include
 - A table with a grid/tiles view of favorites items
 - Each item should have an option to edit & delete
 - A button to toggle between list- and grid- view
 - A search bar
 - A title including the number of items displayed
 - An “Add” button to add a new favorite website
 - When clicked, a model dialog asking for information about the new favorite website (name and URL) appears. It should have **Save** and **Back** buttons
- The **Actions log** page should include
 - A table of actions the user performed (add, edit, delete) on any of his favorites, and should contain the following columns:
 - Date and time of action performed
 - Short description of the action
 - The affected website name...
 - ...and its URL

Feel free to use your favorite framework, either Angular or React, and leverage Bootstrap if you like.

The mockups below are only wireframe on purpose: to allow your creativity and design to shine. Make sure your implementation is responsive to different screen sizes, and consider adding some finishing touches, such as: tooltips over icons, error messages, animations, etc.

I will want to review your code. Please send a zip file with your code to: Meni Braun – mebraun@microsoft.com, or send a link to your GitHub repo.

Make the website you created available online – if you can’t do so, please include localhost configuration in your source too – to allow testing & reviewing locally.

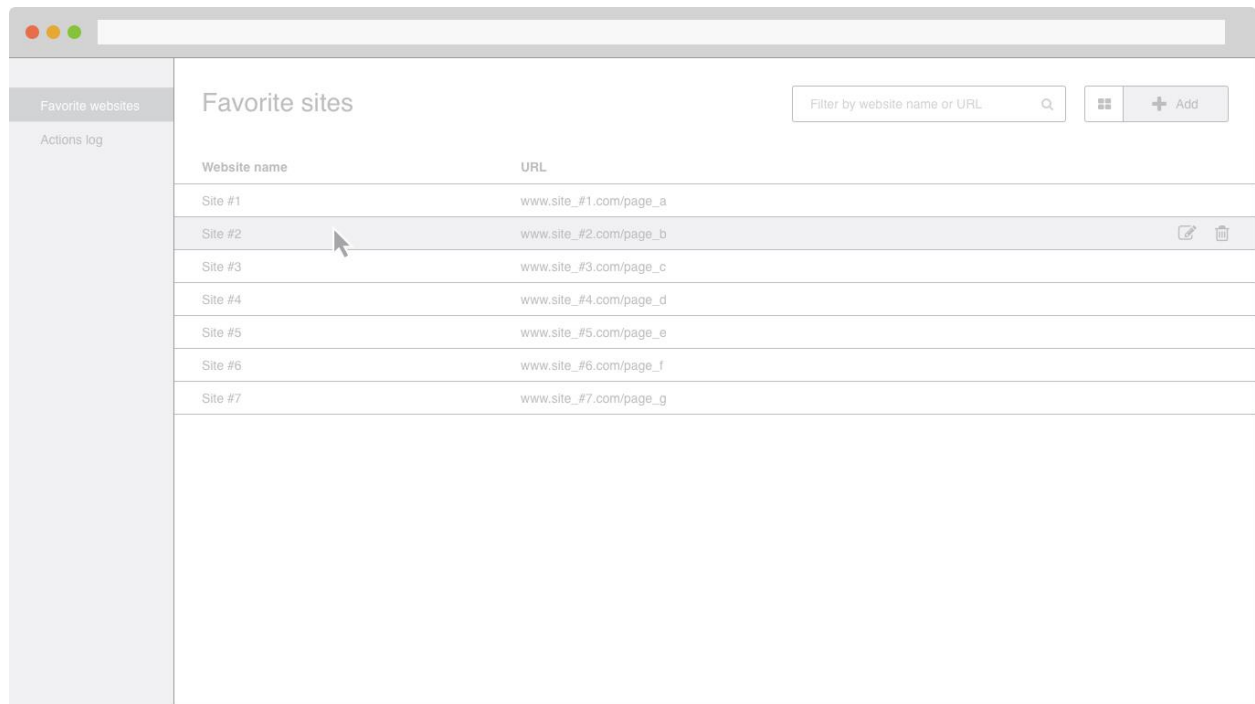
Good luck!

Wireframe mockups

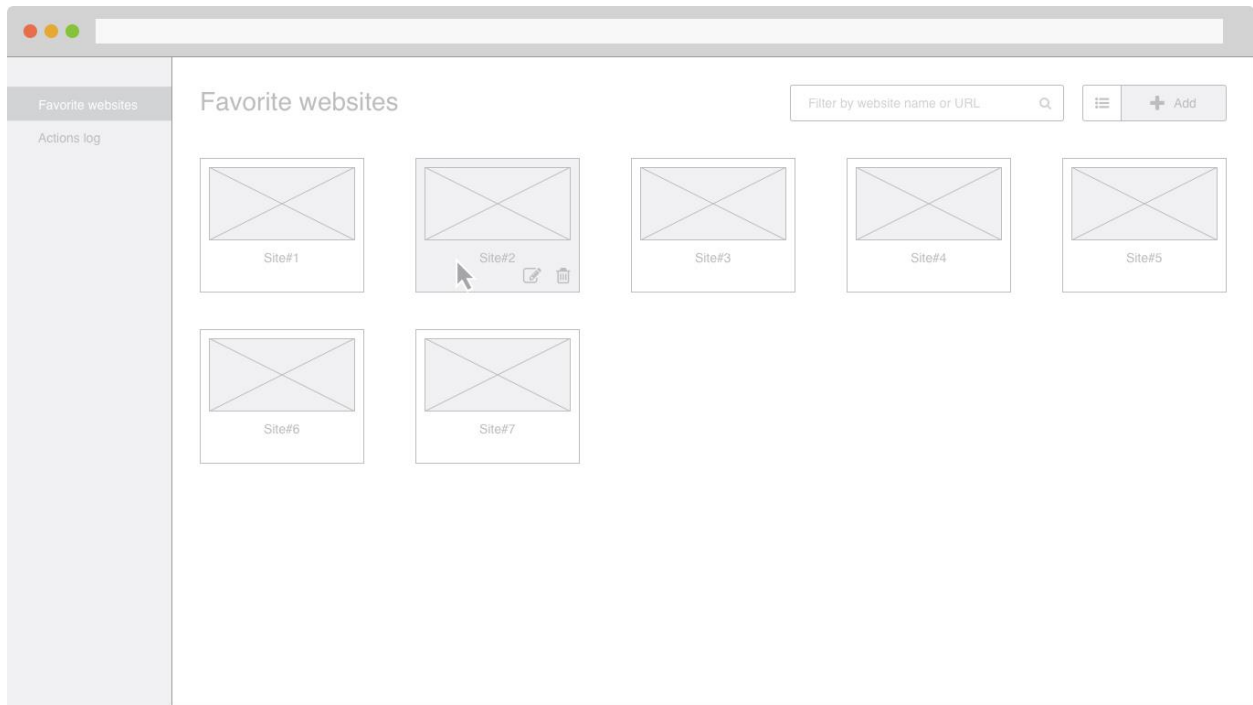
For your convenience, you may want to use these SVG icons:



Icons.zip



Mock 1 – Favorites page displaying a grid view



Mock 2 – Favorites page displaying a tiles view

Add a new website

Website name

URL

Add website

Cancel

Mock 3 – Add a favorite website dialog

Edit website

Website name

URL

Save changes

Cancel

Mock 4 – Edit a favorite website dialog

Remove favorite website? ✕

This action will remove the favorite website permanently.

Remove website

Cancel

Mock 5 – Remove a favorite website dialog

<div> <div> <div></div> <div></div> <div></div> </div> <div></div> </div>			
<div> <div>Favorite websites</div> <div>Actions log</div> </div>	Actions log		
	Date / Time	Action	Website name
	01/08/2017 13:34:00	Website was removed	Site #8
	01/08/2017 13:33:00	Website was added	Site #8
	31/07/2017 14:20:00	Website was edited	Site #7
	31/07/2017 14:15:00	Website was added	Site #7

Mock 6 – Actions log page