Sitecore Screenshot module for content and experience editor environment
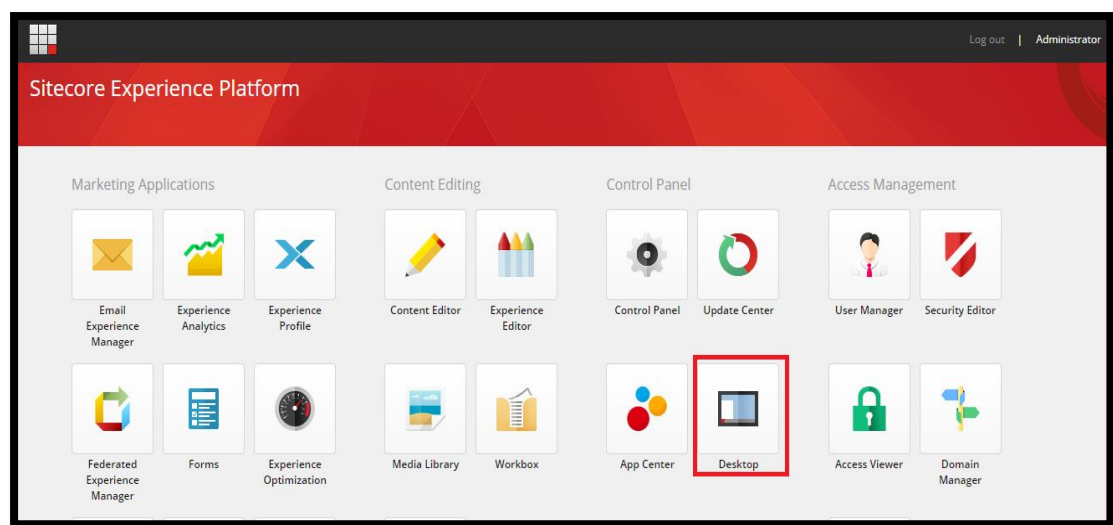
Module Sitecore Hackathon Category:

Best enhancement to the Sitecore Admin (XP) UI for Content Editors & Marketers
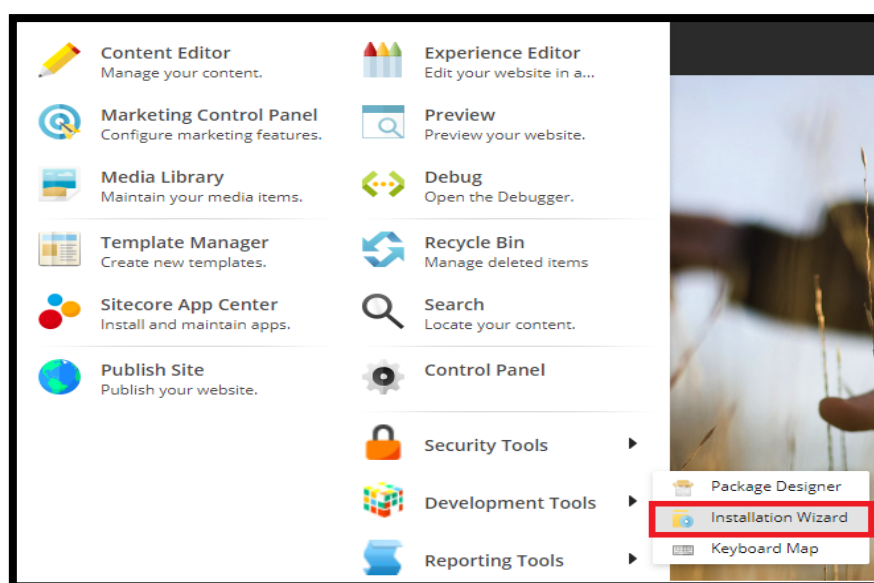
Module Purpose:

Bring capabilities to take screen shot of Sitecore content editor and experience editor environment.

Installation Instructions:

1. Login to Sitecore portal
2. Go to "***Sitecore Experience Platform***" and click on ***Desktop*** icon.
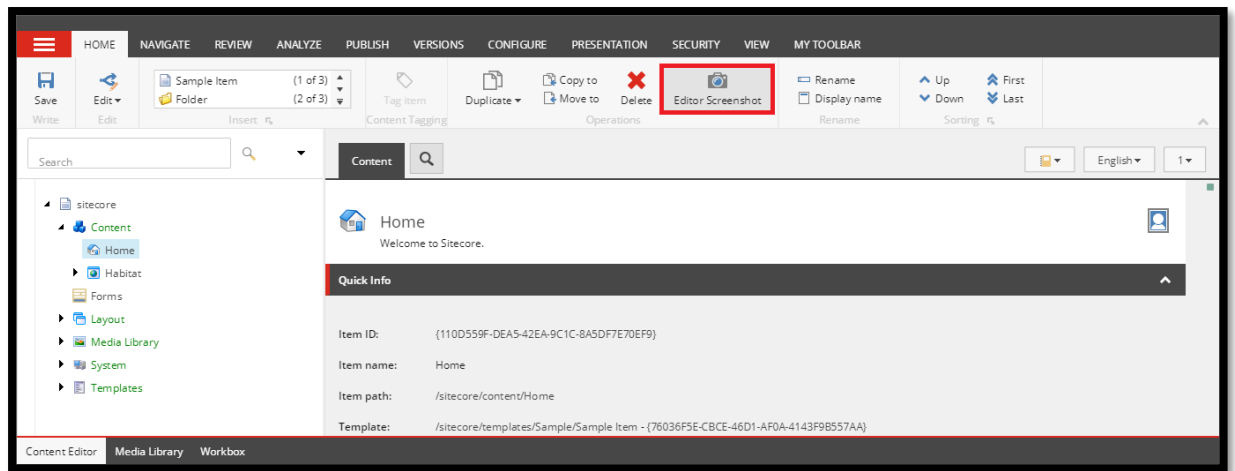

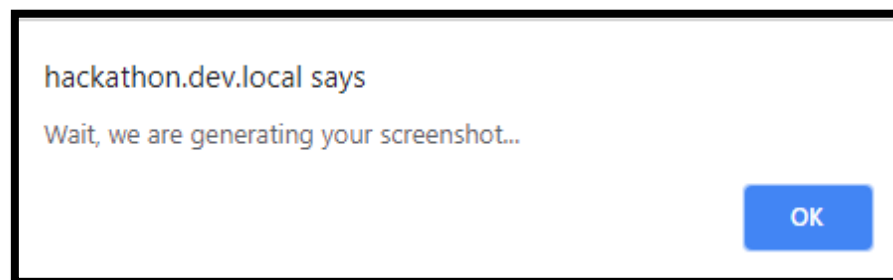3. Click on Start -> Development Tools -> Installation Wizard.

4. Upload and install Sitecore package "***SitecoreScreenShot Module-1.0.zip***".
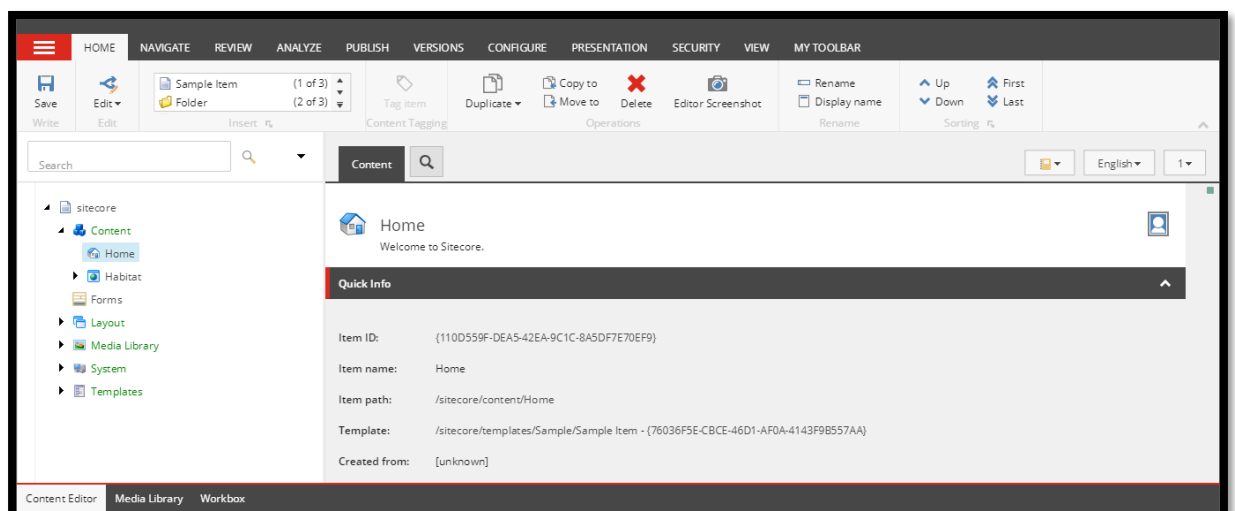
How does the end user use the Module?

1. User need to go to *Home* tab in Sitecore ribbon.
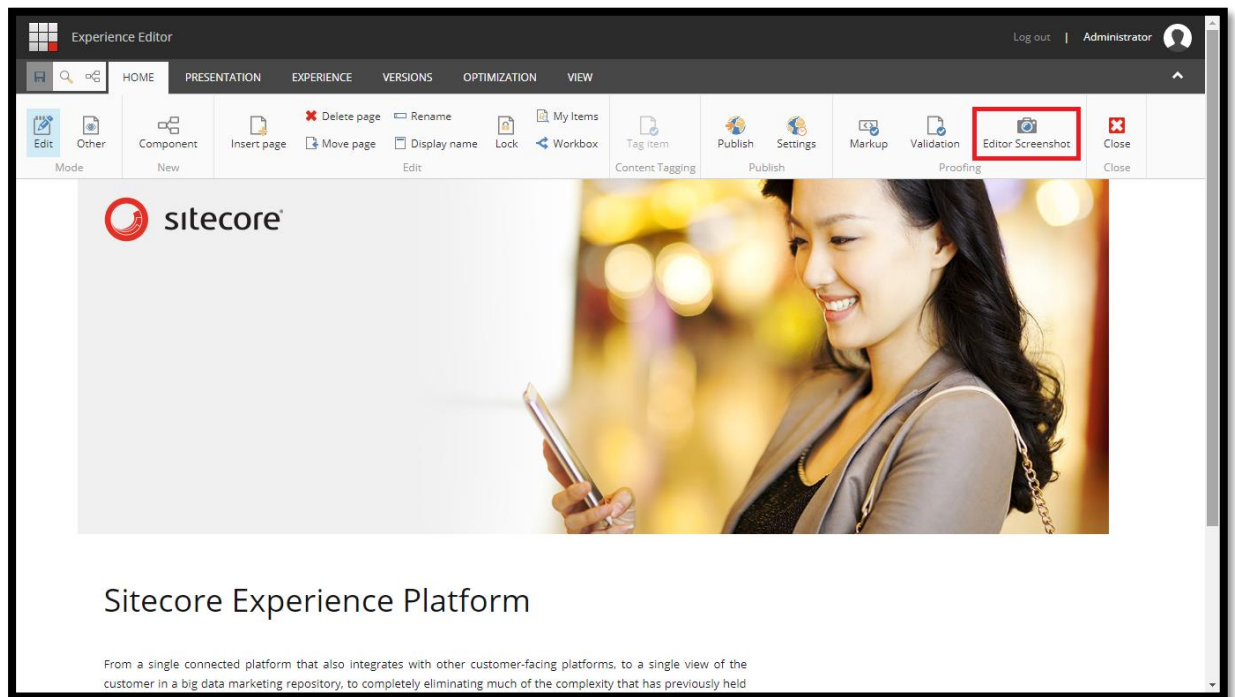2. There will be one button "*Editor Screenshot*" in *Operations* section.

3. When user clicks on *Editor Screenshot* button, a popup will come with message "*Wait, we are generating your screenshot...*".

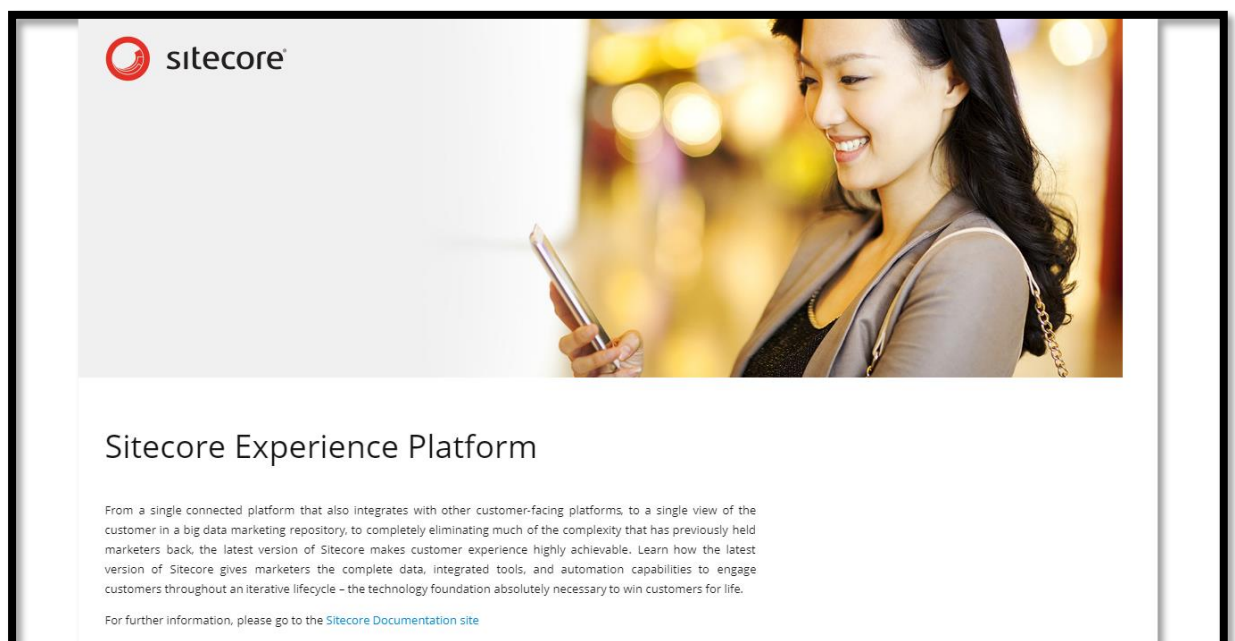

4. After click on "*Ok*" button, screenshot image will download as

5. User can take screenshot in experience editor mode also. User will find *Editor Screenshot* button in *Proofing* section under *Home* tab.

This will download screenshot as

Approach:

1. We have added one **chunk** in **core** database ("**/Sitecore/content/Applications/Content Editor/Ribbons/Chunks/Preview/Editor Screenshot**") to show "**Editor Screenshot**" button in Content Editor **Presentation** tab and "**Editor Screenshot**" button in **Experience** tab in Experience editor.
2. We are calling jQuery function "**generate**" onclick of "**Editor Screenshot**" button.
3. In generate function, we used html2canvas approach and passing **Body** HTML tag to take screenshot.
4. The **toBlob()** method creates a Blob object representing the image contained in the canvas. The created image is in a resolution of 96dpi.

jQuery plugin used:

We have used below jQuery plugins

https://cdnjs.cloudflare.com/ajax/libs/FileSaver.js/1.3.3/FileSaver.min.js
https://cdnjs.cloudflare.com/ajax/libs/html2canvas/0.4.1/html2canvas.min.js

jQuery Code:

We have developed below jQuery method to take screenshot and convert into "**png**" image format.

```javascript
(function (exports) {
    function pageScreenshot() {
        var htmltag = document.getElementsByTagName('body');
        html2canvas(htmltag, {
            onrendered: function (canvas) {
                //converting Blob object to image
                canvas.toBlob(function (blob) {
                    saveAs(blob, 'SitecorePreviewScreenshot.png');
                });
            }
        });
    }
    function generateScreenshot() {
        pageScreenshot();
    }
    exports.screenshotPage = pageScreenshot;
    exports.generate = generateScreenshot;
})(window);
```