**Create a SPFx Webpart with SharePoint 2019**

**Install NodeJS**

* Install version 8.x from <https://nodejs.org/download/release/v8.17.0/node-v8.17.0-x64.msi>

Verify the version **node -v**

**Install Visual Studio Code Editor**

**Install Yeoman and gulp**

npm install [gulp-cli@2.3.0](mailto:gulp-cli@2.3.0) --global

npm install [yo@2.0.6](mailto:yo@2.0.6) --global

**Install SharePoint framework**

npm install -g @microsoft/generator-sharepoint@1.4.1

**Setup App Catalog**

We will set up an App catalog to add the SPFx solution later. Follow below steps as Farm administrator.

1. Open SharePoint 2019 Central Administration site.

2. From left menu, click Apps.

3. Under App Management, click Manage App Catalog.

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Description automatically generated

4. Select web application to create the app catalog site.

5. Select Create a new app catalog site.

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6. Click OK.

7. Fill in the details to create an App catalog.

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8. Click OK.

Enable Scripting Capabilities

This is an optional step only if you are planning to use SPFx web parts on classic SharePoint sites. If you are going to use SPFx web parts only on Modern SharePoint sites, then you may skip this step.

Develop SharePoint Framework Web Part

1. Open command prompt. Create a directory for SPFx solution.

md spfx-sp2019-onprem

2. Navigate to above created directory.

cd spfx-sp2019-onprem

3. Run Yeoman SharePoint Generator to create the solution.

yo @microsoft/sharepoint

4. Yeoman generator will present you with the wizard by asking questions about the solution to be created.

Enable Scripting Capabilities

This is an optional step only if you are planning to use SPFx web parts on classic SharePoint sites. If you are going to use SPFx web parts only on Modern SharePoint sites, then you may skip this step.

1. Open SharePoint 2019 Management Shell as an administrator.

2. Execute below PowerShell command.

(Get-SPSite -Identity "http://sharepoint/sites/ModernSite").DenyPermissionsMask = [Microsoft.SharePoint.SPBasePermissions]::EmptyMask