**Build your first SharePoint client-side web part**

Client-side web parts are client-side components that run inside the context of a SharePoint page. Client-side web parts can be deployed to SharePoint Online, and you can also use modern JavaScript tools and libraries to build them.

1. To create a new web part project

* Create a new project directory in your favourite location.
* Open command prompt
  + Run as administrator

*md FirstWebPart*

1. Go to the project directory

*cd FirstWebPart*

1. Create a new Demo web part by running the Yeoman SharePoint Generator.

yo @microsoft/sharepoint

**When prompted**:

Text

Description automatically generated

Text

Description automatically generated

At this point, Yeoman installs the required dependencies and scaffolds the solution files along with the HelloWorld web part. This might take a few minutes.

When the scaffold is complete, you should see the following message indicating a successful scaffold.

Text

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**Preview the web part**

To preview your web part, build and run it on a local web server. The client-side toolchain uses HTTPS endpoint by default. This setting can be configured in the serve.json file located in the config folder, but we do recommend using the default values.

Switch to your console, ensure that you are still in the Demo-webpart directory, and then enter the following command:

gulp trust-dev-cert

**Note:**

*Developer certificate has to be installed ONLY once in your development environment, so you can skip this step, if you have already executed that in your environment.*

Open Visual Studio code

Enter **code .**

Open serve.json file under config folder

 "initialPage": https://enter-your-SharePoint-site/\_layouts/workbench.aspx

replace with you site url

 "initialPage": " https://jenkinsnsfs.sharepoint.com/sites/DXCTraining/\_layouts/workbench.aspx"

Then run the project using below command

**gulp serve**

Graphical user interface, text, application

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For open visual studio code **code .** not working

got to System environment variable

Click

Environment variables

**Inside Environment variables->Path** put

C:\Users\{your\_username}\AppData\Local\Programs\Microsoft VS Code\bin.

Go to the project folder and open the cmd with it typing in the location bar and then type **code .**