Download & Install Requirements

Visual Studio Code	Download link
NodeJs	Download link
Gulp, Yeoman & Yeoman SharePoint Generator	execute `npm install gulp-cli yo @micro - sof t/g ene rat or- - sha repoint --global` in command prompt`

Creating a Solution

Create project	`yo @micro sof t/s har - epoint` inside desired folder

Deploying a Solution

Bundle solution. This will generate the scripts required to run the webpart on the site.	`Gulp bundle --ship`
Package solution. This will create a .sppkg file in your sharepoint folder that can be added to the appcatalog.	`Gulp packag - e-s - olution --ship`

Updating a Solution

View outdated packages	`npm outdated`
Install specific package versions	`npm install [packa - ge- nam e]@ [ve rsi - on- number]` e.g. `npm install expres s@4.16.1`
use m365 doctor	`npm install -g @pnp/c - li- mic ros oft365` then `m365 spfx project upgrade --toVe rsion [version]`

Working with the solution

Trust the development SSL certificate included in the toolchain	`gulp trust- - dev -cert` (only once inside root folder of project)
Start the local web server & launch the hosted workbench	`gulp serve`
Open solution in specific tenant (site)	Browse to `https: //< - you r-S - har ePo - int -si - te> /_l - ayo - uts /wo - rkb enc - h.aspx` and add webparts
Install packages	`npm install @<p ack age>` e.g. `npm install @pnp/sp @pnp/graph - -save`
Import packages into solution	`import { SPFI, SPFx } from " @pn - p/s p";` (inside file)
Clean solution (clear the temporary folders and files created in the solution. Some of the folders cleaned up during the process are temp, dist)	`gulp clean`
Build solution (compiles the code and creates the necessary temporary files and folders)	`gulp build`

Handy Packages

M365 CLI	`npm install -g @pnp/c - li- mic - ros oft365`	Helps with problems and updates
Applicati- oninsights	`npm i @micro - sof t/a - ppl ica - tio nin - sig hts - re act-js @micro - sof t/a - ppl ica - tio nin - sig hts-web`	Find out about the perfor- mance and usage of your web page or app
React localization	`npm install react- - loc ali - zation`	Gives you full control over which language is being selected
TinyMCE	`npm i tinymce`	Rich text editing
PnPJS	`npm install @pnp/sp @pnp/graph --save`	Easy and intuitive consuming of ShareP- oint, Graph, and Office 365 REST APIs
SharePoint framework react controls	`npm install @pnp/s - pfx -co - ntr ols - react -- save -- save -exact`	Easy access to handy react controls
Bootstrap	`npm i bootstrap`	Responsive layout

Handy Packages (cont)

NPX	`npm install -g npx`	Start spfx solution with older version, e.g. `npx -p yo -p @micro sof t/g ene rat or- sha rep oin t@1.12.1 yo @micro sof t/s har epoint`