Creating a SharePoint Web-Part

After both the Dev and Test environments have been configured,

Create a directory for your project on your Dev machine and start

building your web-part solution

**Tutorial 1 – Build your first SP client-side web part**

1. mkdir *mywebpart*
2. cd *mywebpart*
3. yo @microsoft/sharepoint

* When prompted:
  + Accept the default **mywp** as your solution name, and then select Enter.
  + Select **SharePoint Online only (latest)**, and select Enter.
  + Select **Use the current folder** for where to place the files.
  + Select **N** to allow the solution to be deployed to all sites immediately.
  + Select **N** on the question if solution contains unique permissions.
  + Select **WebPart** as the client-side component type to be created.
  + The next set of prompts ask for specific information about your web part:
  + Accept the default **HelloWorld** as your web part name, and then select Enter.
  + Accept the default **HelloWorld description** as your web part description, and then select Enter.
  + Select **Reac**t **framework** as the framework you would like to use, and then select Enter.

1. **Enable the self-signed developer certificate from project root directory**

Once a project has been created with the Yeoman generator for the SharePoint Framework,

execute the following command from within the root folder of the project.

-- the self-signed developer certificate – this is a one time per environment

* gulp trust-dev-cert

1. yo serve

*Tutorial 2 – Convert your client-side web part*

1. Creates fields and their expected datatypes
   1. Edit both src/webparts/rqcSite/xxx.ts and /scr/webpart/../components/IR..Props.ts

add all the fields:

export interface IRqcSiteWebPartProps

{

description: string;

name: string;

email: string;

action: string;

requestedby: object;

requestor: object;

startdate: Date;

enddate: Date;

requesttype: string;

requestlocation: string;

plocation: string;

othrequester: Object;

acct\_unit: object;

activity: object;

comment: string;

}

1. edit the render method in src/webparts/Hello…ts
   1. call individual fields