Angular 4 questions for discussion:

1. Are we to use Visual Studio vs other tools? Assuming Visual Studio.
2. Are we to use Visual Studio for MVC landing page? Assuming yes.
3. Using Angular 4, Visual Studio and IIS there is an issue with the routing if:

* User attempts to manually change the url – 404 error
* User attempts to book mark a page other than the landing page for the spa – 404 error
* User hits the browser refresh – 404 error

This behavior is documented in the Angular 4 / cookbook / visual-studio-2015 (see for apps that use routing) <https://angular.io/docs/ts/latest/cookbook/visual-studio-2015.html>

The workaround is to manually configure the IIS to redirect the 404 to the landing page of the spa.

Now this is occurring locally I have not been able to deploy and test.

Further this is using the net 4.6 framework. I do not know what will happen with core (different file structure).

However; if I build the same test app using Visual Studio Code and Node.js there is no issue.

1. @HostBinding used in https://angular.io/docs/ts/latest/guide/router.html . Appears to be supposed to set css to “parent”. Part of set used to communicate between components. Possibly can be used to have “universal listener” or raise event that is “universal”
   1. How does this work
   2. Compare with ViewChild(?).
   3. Use for Modals? Attempted in demo but didn’t work in plunker.
2. Using https://angular.io/docs/ts/latest/guide/router.html to look at using multiple modules and nested routing. Using latest quick start cannot get animations working.
   1. Not sure why not working
   2. Not sure why needed / if needed - I think this is for loading the next page
3. Using Angular Quick Start with MVC landing page ~~it was necessary to modify the file structure~~.
   1. ~~Need verify. This may be due to routing. Index.html works fine in Quick Start structure~~.
   2. Tag <base href="/src/"> needs to be to src – need to test for deployment
      1. Previously <base href="/ "> but only needed if routing was in use. It now appears to be used, or required, even if routing is not used. Or the file structure has the app folder at the root.
4. Using Visual Studio MVC it appears as though we need to add “moduleId: module.id,” in the component declaration for relative paths. Apparently ‘./file’ now is the way to go vs ‘file’
   1. Need verify.
5. Develop guidelines on when to use multiple modules
6. “There are only minor differences between Angular 2 and Angular 4; primarily routing”.
   1. Angular 2 was a component based design. As the project got larger additional “modules” could be created allowing for lazy loading. This was considered an advanced concept that I briefly reviewed.
   2. Angular 4 seems to be built more upon the concept of Modules and within Modules Components. I well need to revisit routing more in depth. This became apparent with the rewrite of Agular’s “Tour of Heroes” demo. In two this was strictly components now various modules are involved.