The concepts of Authentication in angular



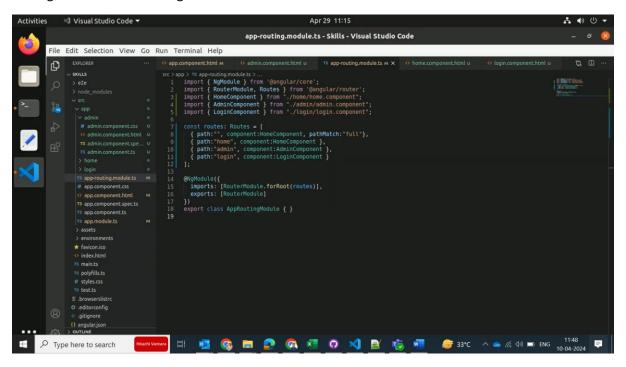
Route Guards



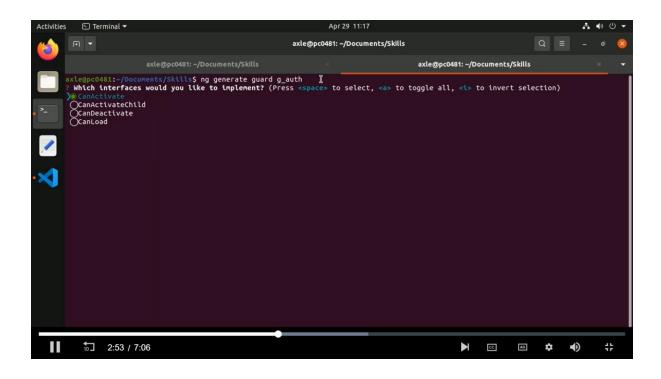
Types of Route Guards

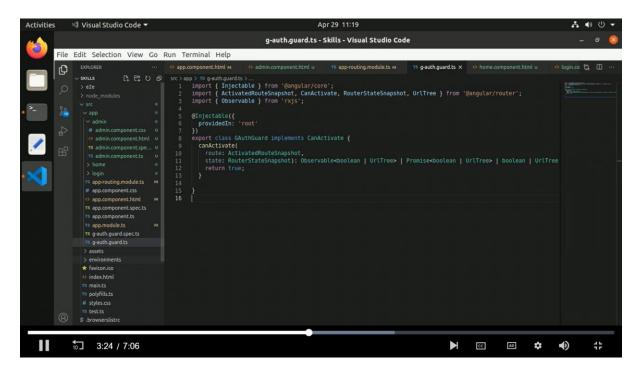


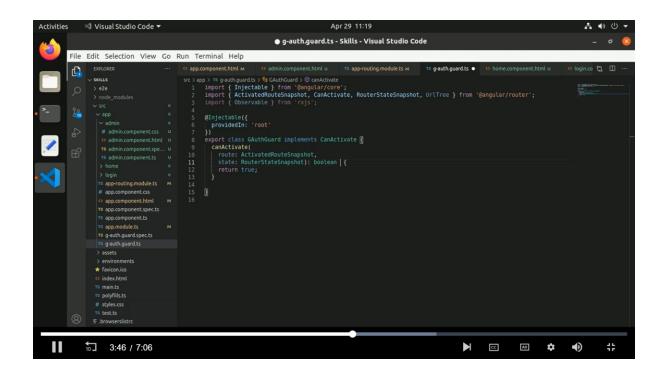
Adding authentication in angular

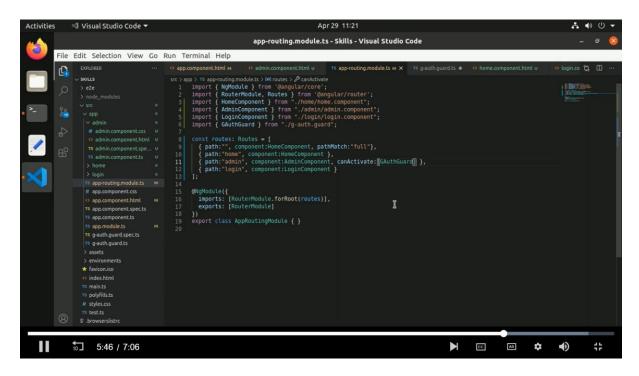


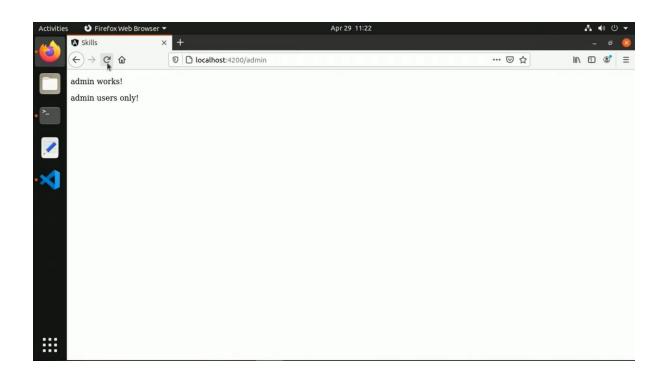
Ng g guard g_auth

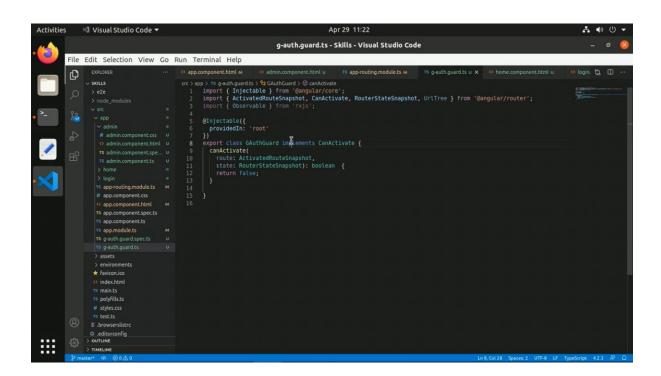


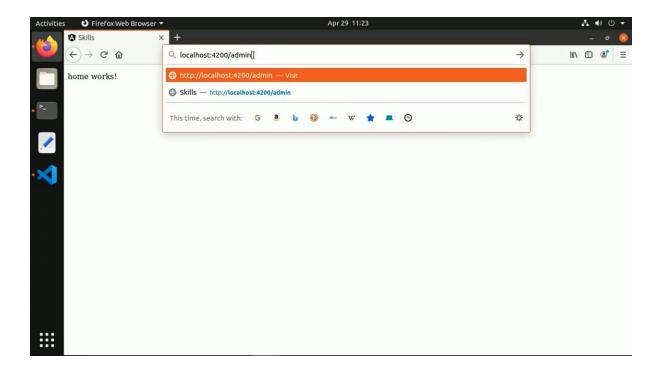




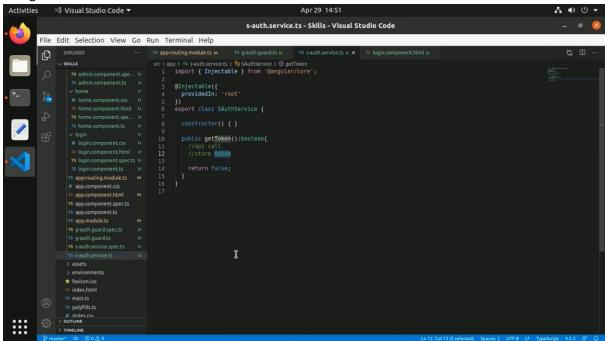


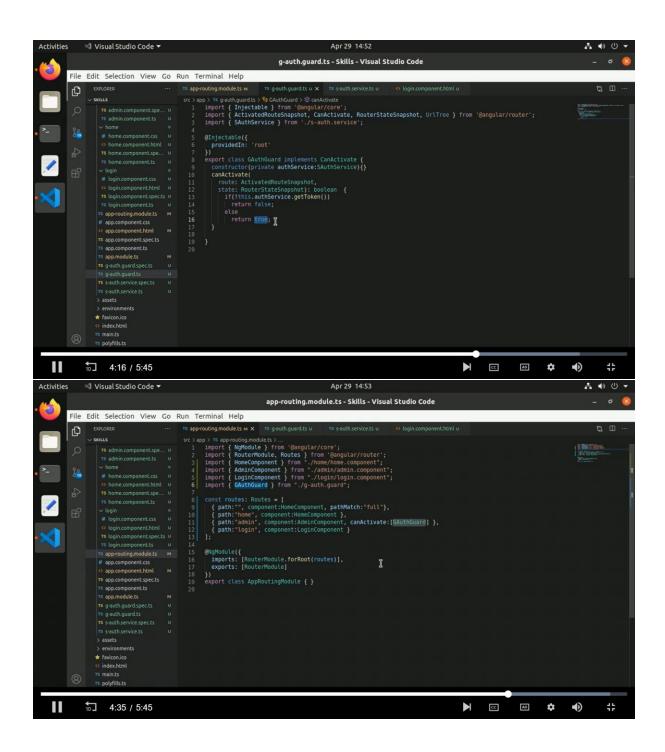


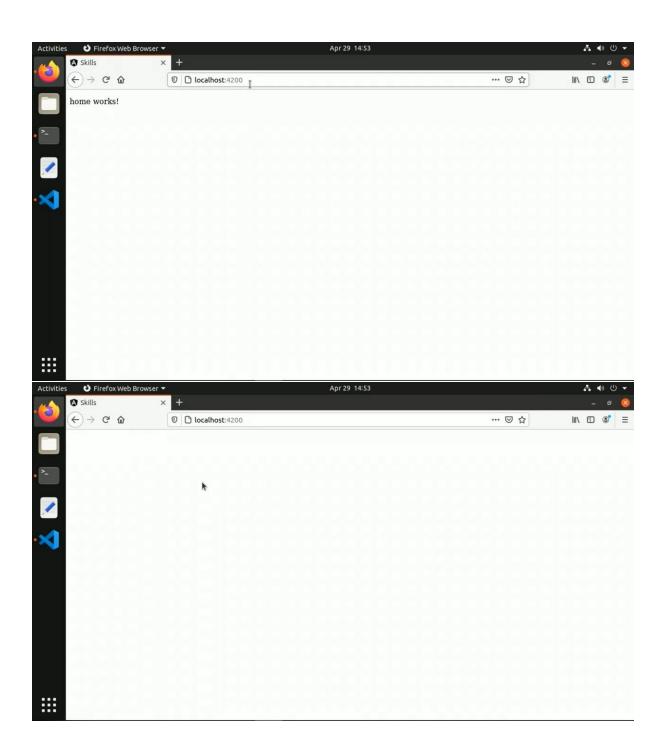


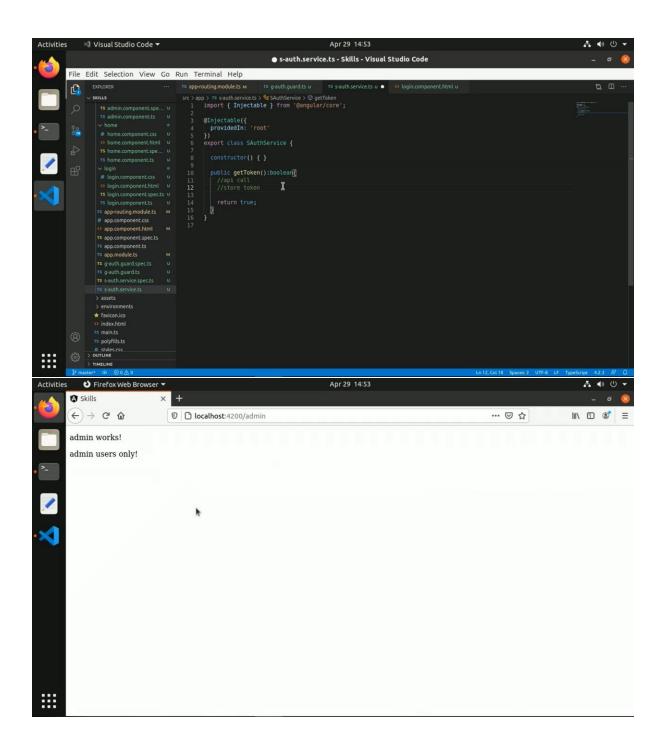


Using Guards for Authentication and authorization



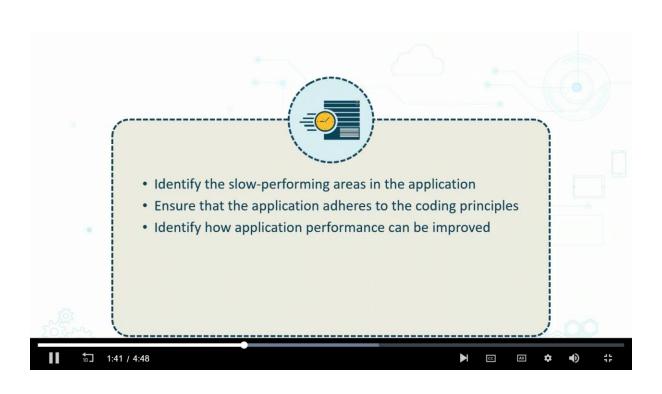






The Requirements for Optimization in angular apps

Optimization requirements in angular



Optimization Techniques

Technique	Description
OnPush Change Detection Strategy	To detect a change or update in the user data
Detach Change Detection/NgZone	To create a change detection tree and update the DOM
Using Pure Pipes	To format the data based on the given input
AOT Compilation	To produce compiled templates and reduce application payload
Lazy Loading	To split the application into feature modules and load them on-demand

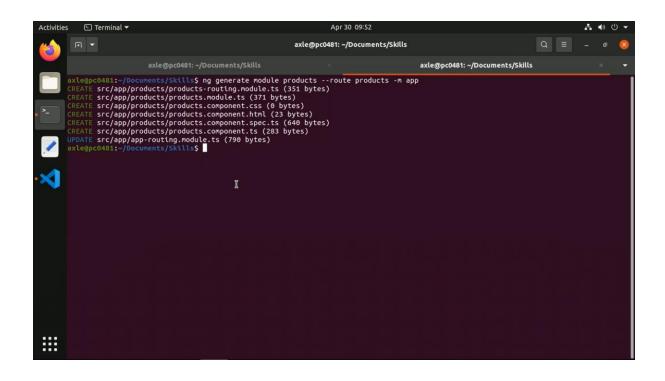


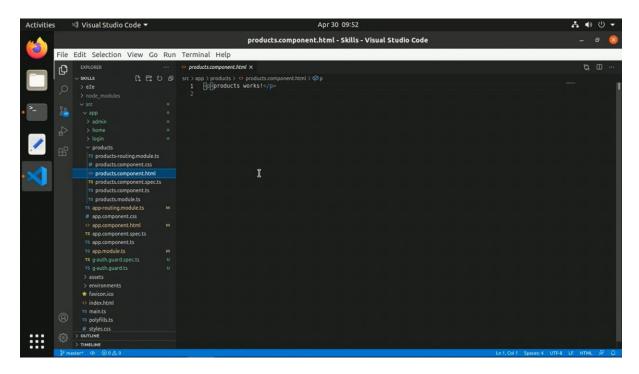
Optimization Techniques

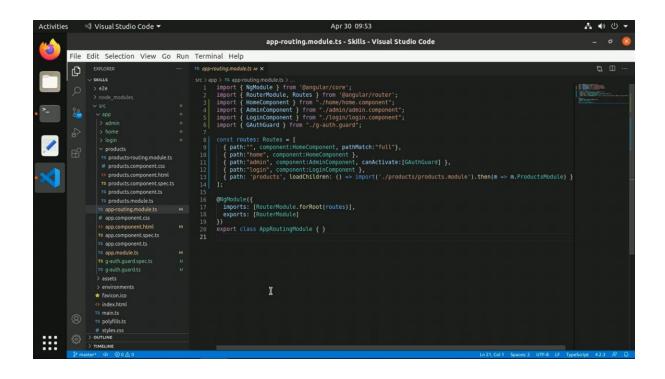
Technique	Description
Trackby	To check the objects and only render the newly added item
Web Workers	To create a new thread that would perform computation in the background
Preloading Modules	To tell Angular when to start the loading of feature modules
Resolve Guards	To load the next component only when the HTTP call returns success

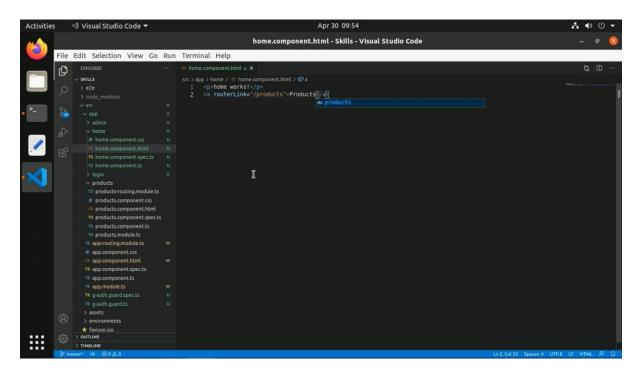
Lazy loading in anu

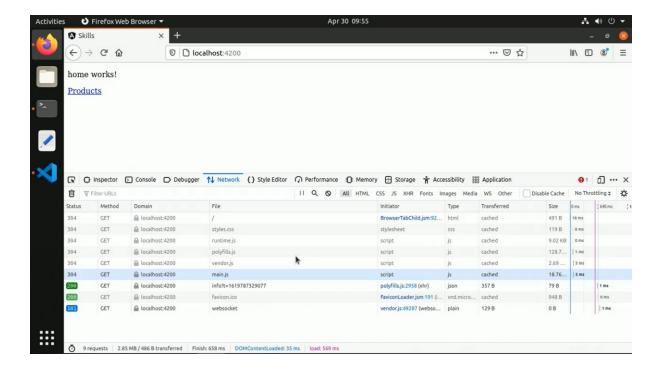
Ng g module products –route products -m app

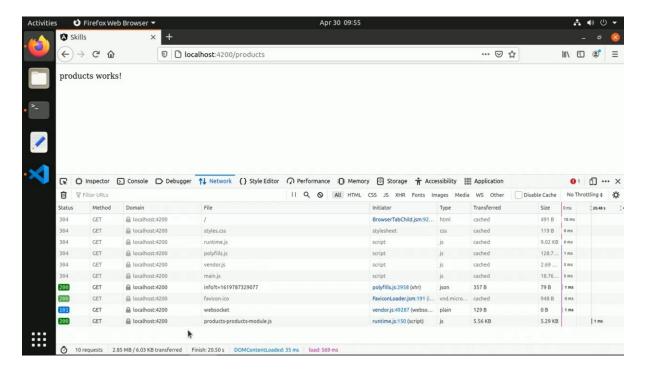




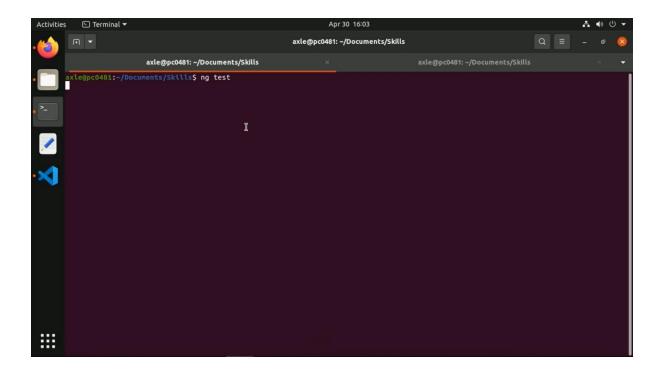




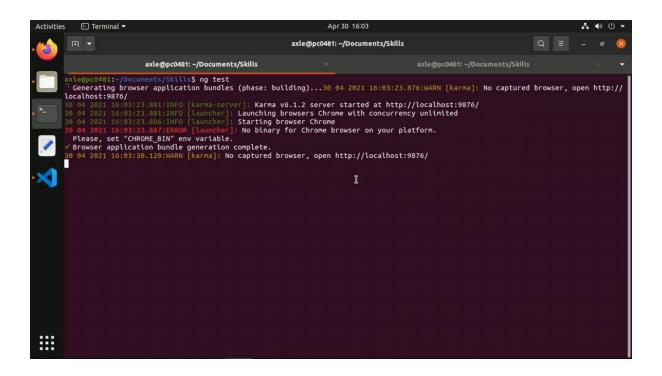


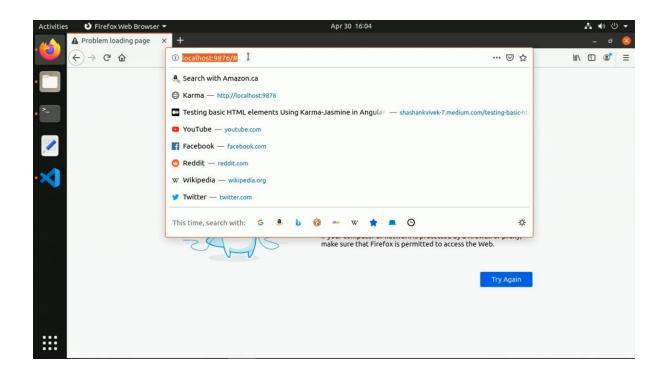


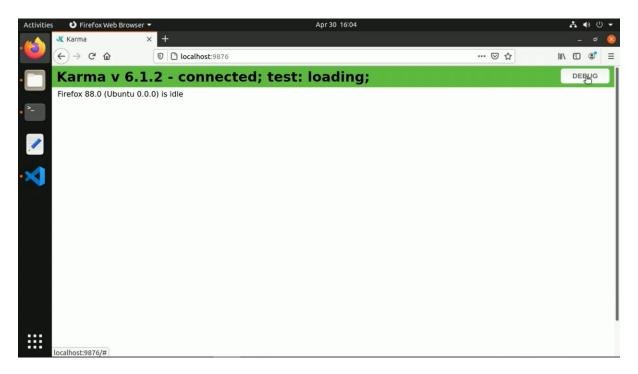
Debugging and unit testing in angular

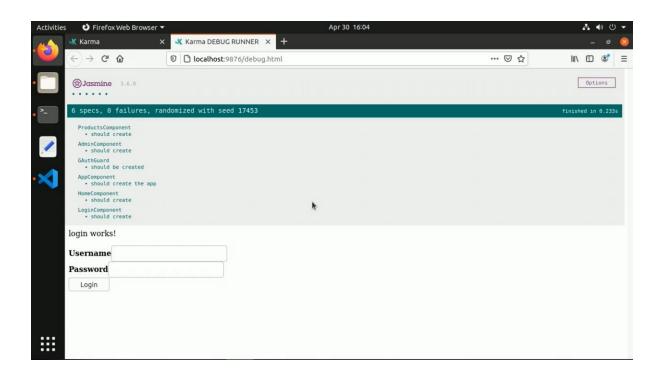


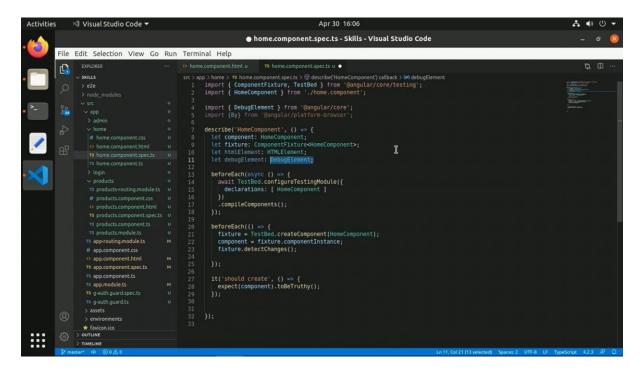
Karma jesmin

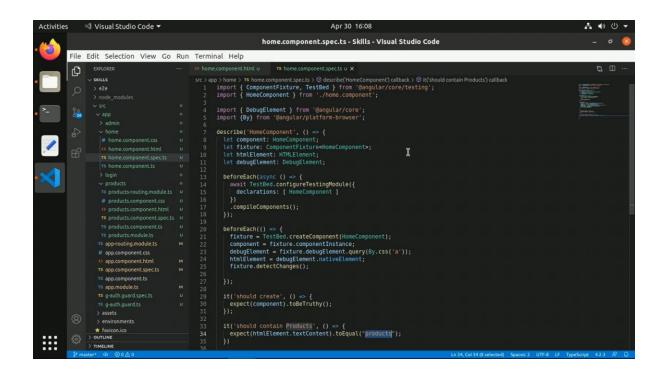


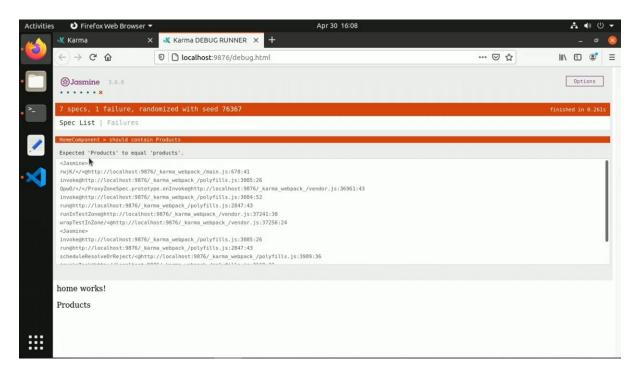


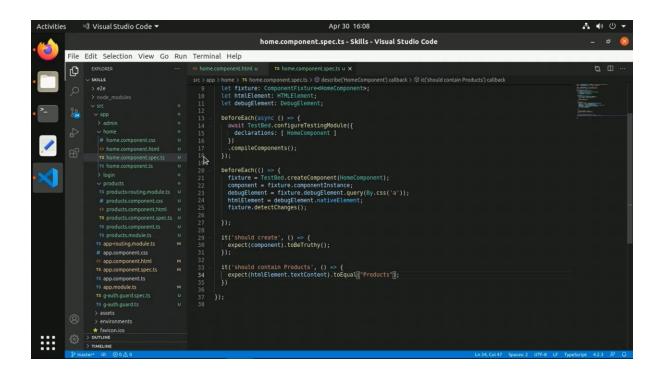


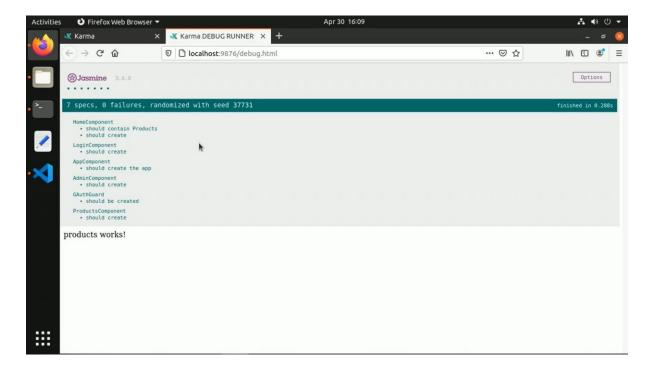












Deploying angular applications

Npm run build

