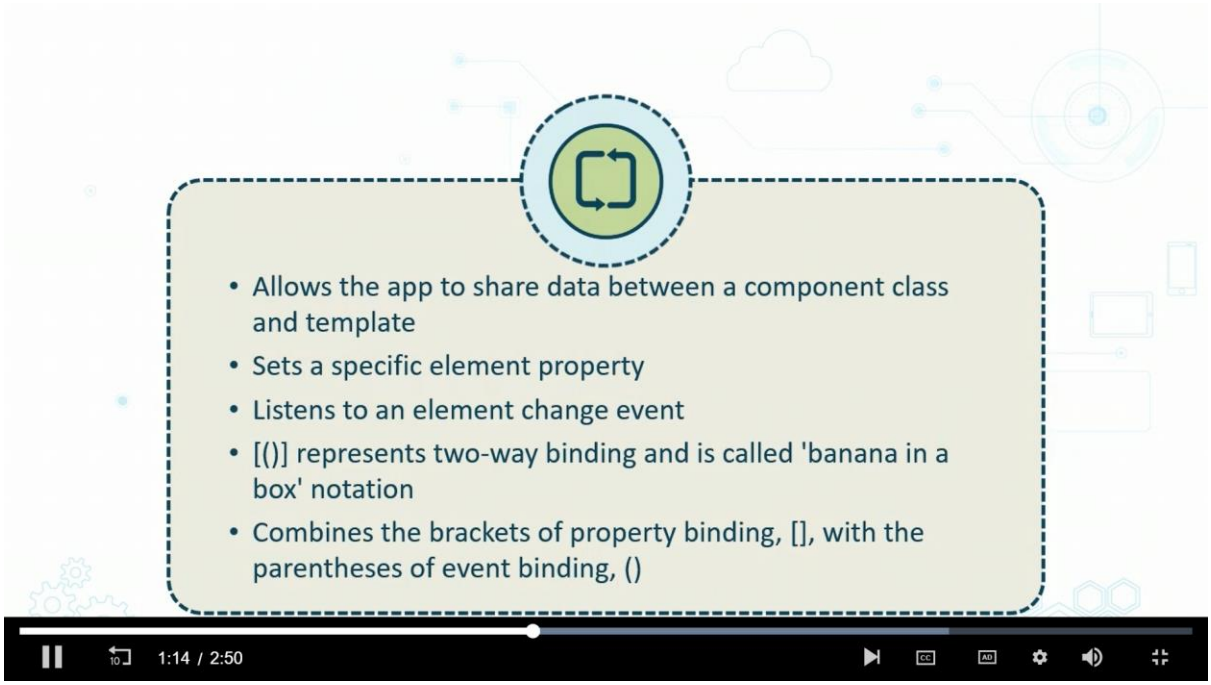
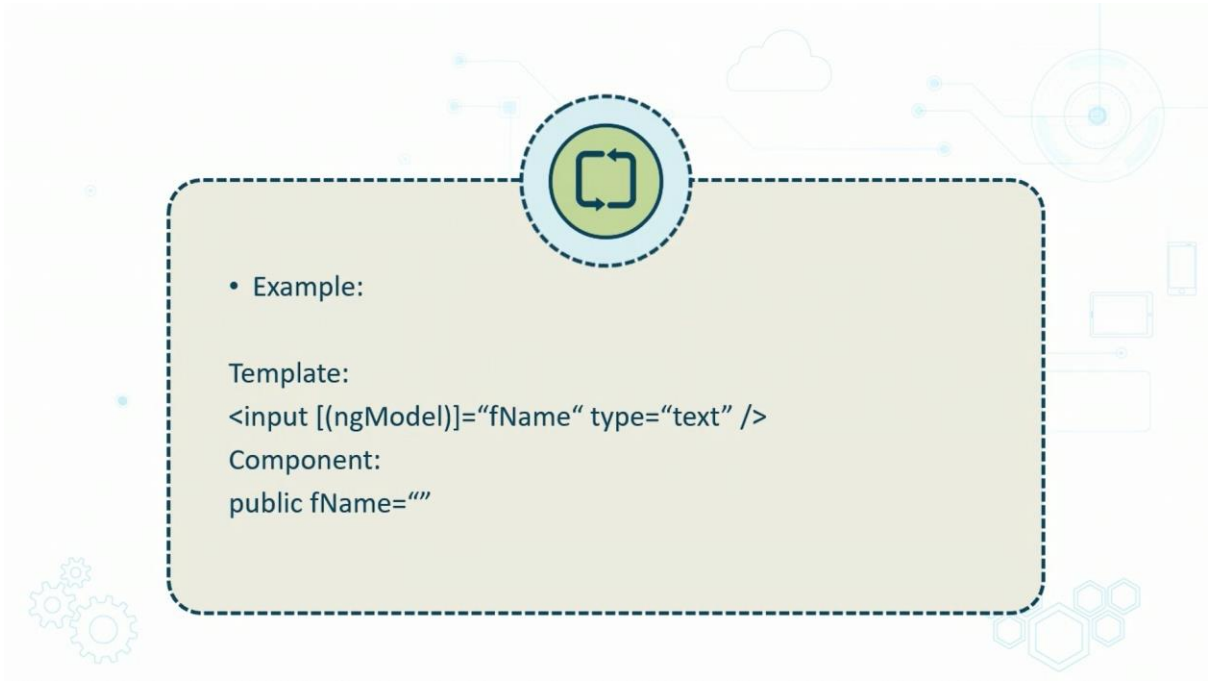
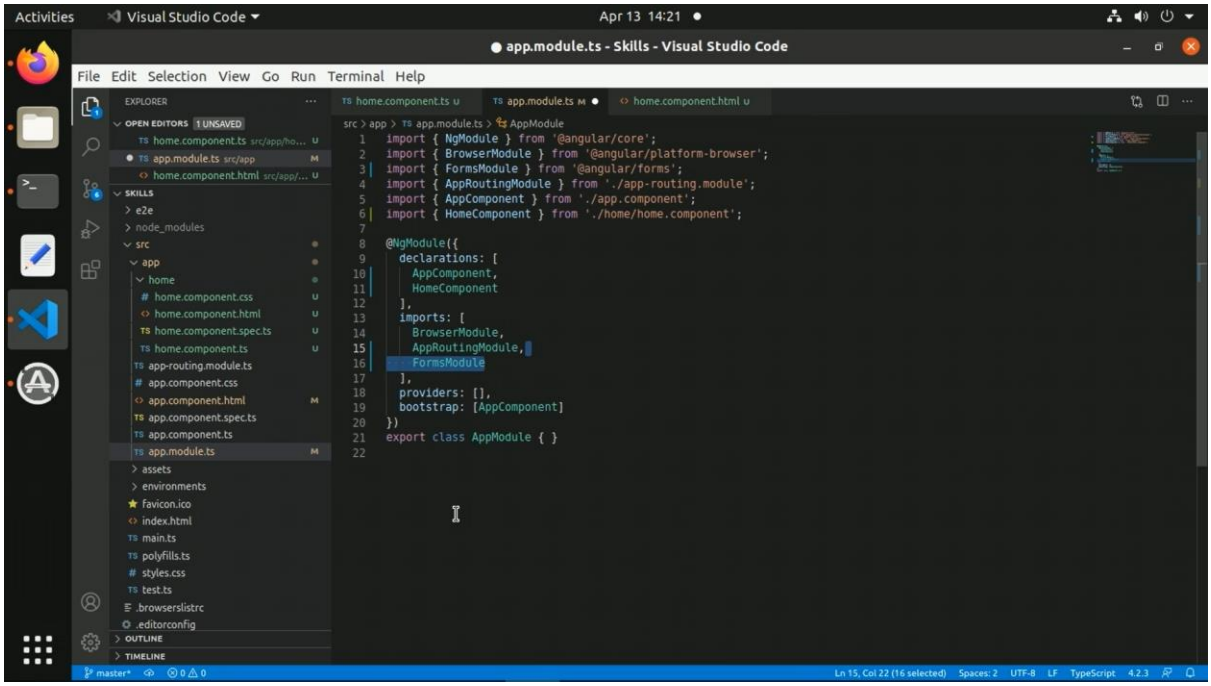
Two way binding

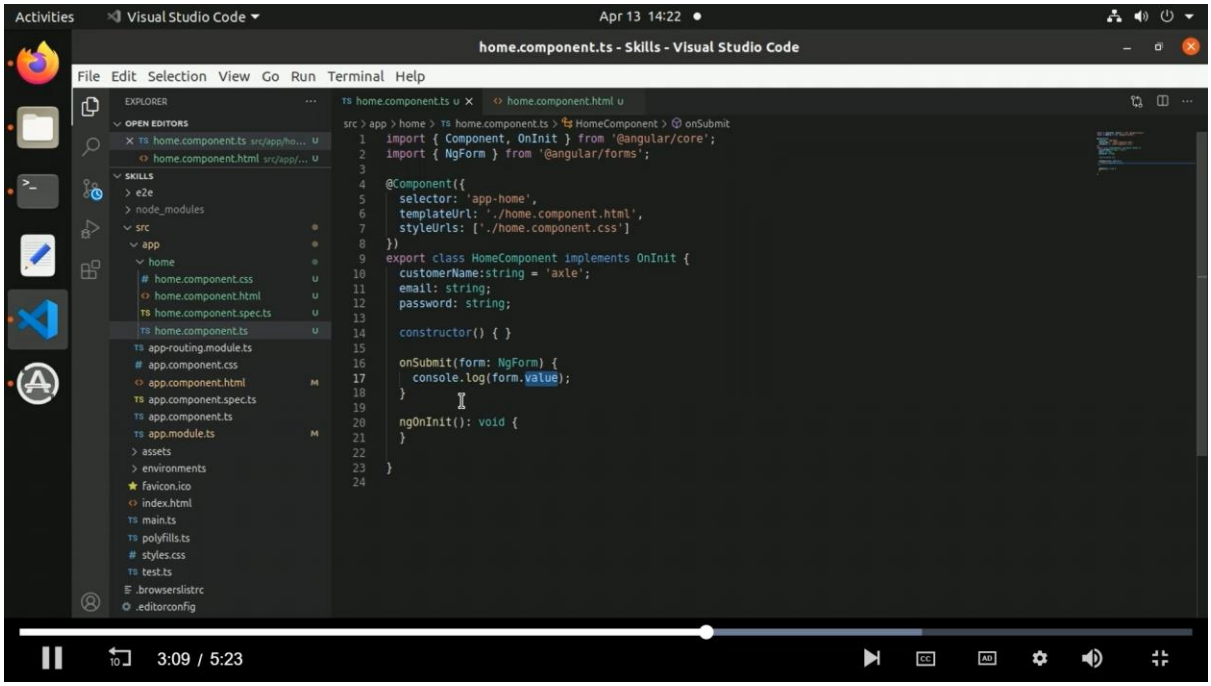


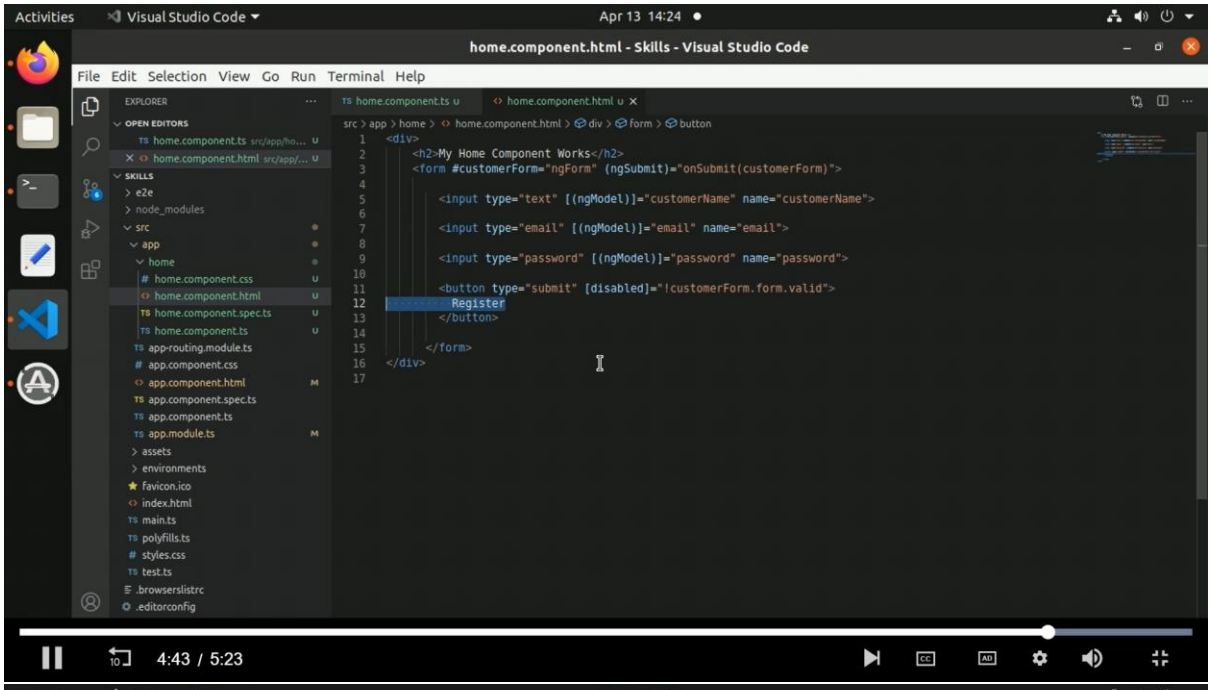


Benefits of

Handling form Events

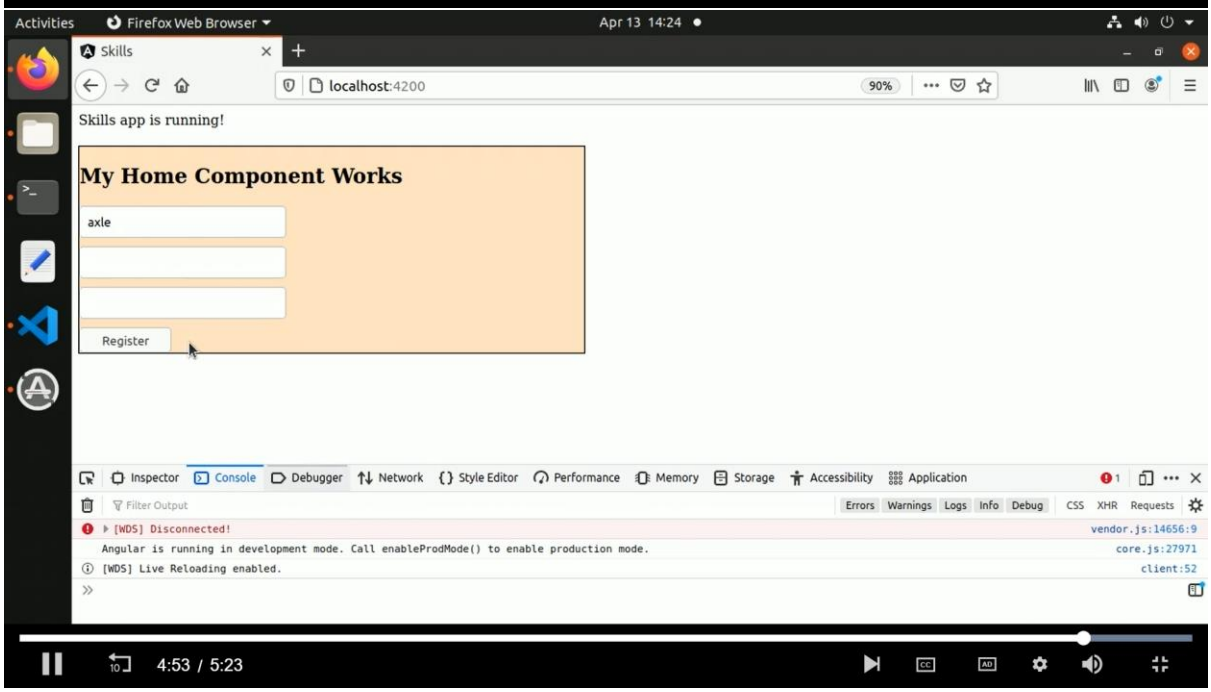


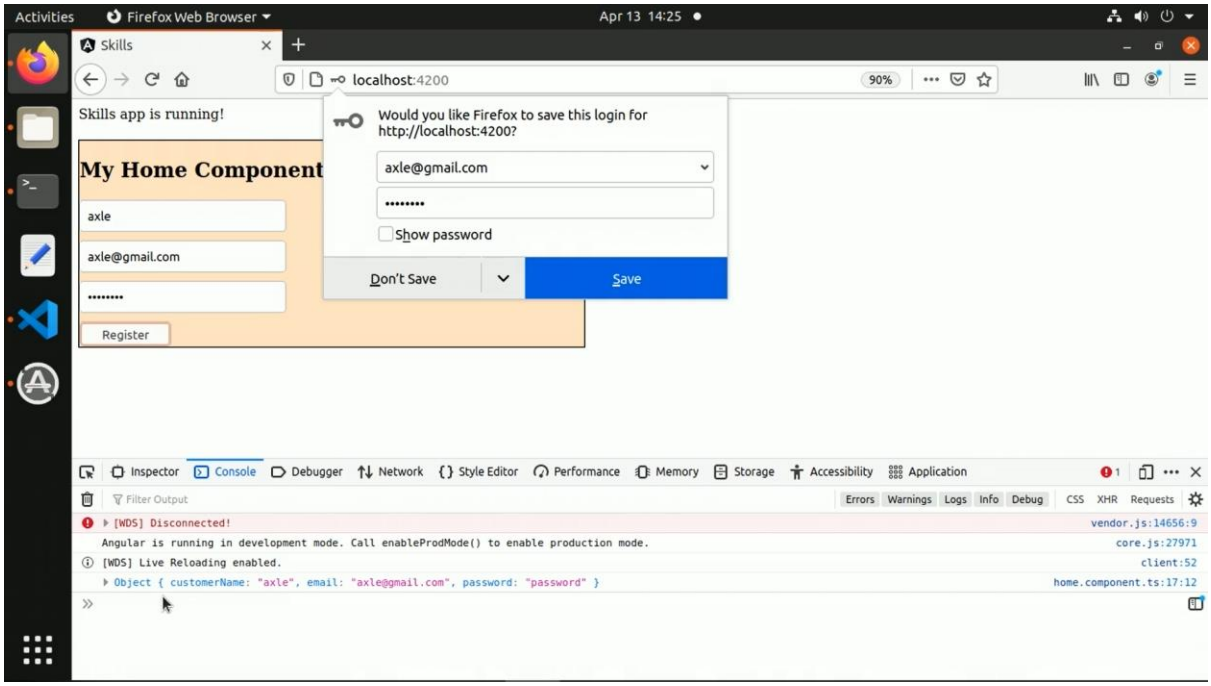

Activities
Visual Studio Code
Apr 13 14:22
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
home
home.component.css U
home.component.html U
home.component.spec.ts U
home.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
.editorconfig
home.component.ts U
home.component.html U
src > app > home > home.component.ts > HomeComponent > onSubmit
1 import { Component, OnInit } from '@angular/core';
2 import { NgForm } from '@angular/forms';
3
4 @Component({
5 selector: 'app-home',
6 templateUrl: './home.component.html',
7 styleUrls: ['./home.component.css']
8 })
9 export class HomeComponent implements OnInit {
10 customerName:string = 'axle';
11 email: string;
12 password: string;
13
14 constructor() { }
15
16 onSubmit(form: NgForm) {
17 console.log(form.value);
18 }
19
20 ngOnInit(): void {
21 }
22
23 }
24
3:09 / 5:23


Activities
Visual Studio Code
Apr 13 14:24
home.component.html - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
home
home.component.css U
home.component.html U
home.component.spec.ts U
home.component.ts U
app-routing.module.ts
app.component.css
app.component.html M
app.component.spec.ts
app.component.ts
app.module.ts M
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
.editorconfig
home.component.ts U
home.component.html U
src > app > home > home.component.html > div > form > button

<h2>My Home Component Works</h2>
<form #customerForm="ngForm" (ngSubmit)="onSubmit(customerForm)">
<input type="text" [(ngModel)]="customerName" name="customerName">
<input type="email" [(ngModel)]="email" name="email">
<input type="password" [(ngModel)]="password" name="password">
<button type="submit" [disabled]="!customerForm.form.valid">
Register
</button>
</form>

4:43 / 5:23

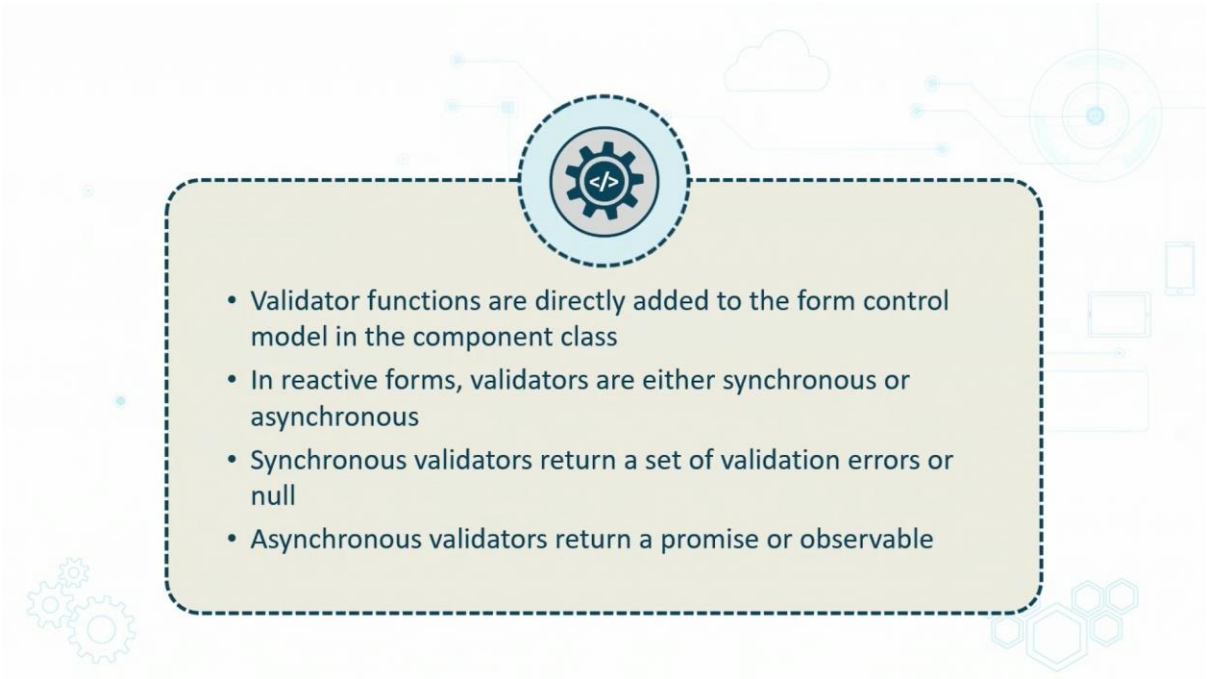

Activities
Firefox Web Browser
Apr 13 14:24
Skills
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
Storage
Accessibility
Application
Filter Output
Errors
Warnings
Logs
Info
Debug
CSS
XHR
Requests
[WDS] Disconnected!
vendor.js:14656:9
Angular is running in development mode. Call enableProdMode() to enable production mode.
core.js:27971
[WDS] Live Reloading enabled.
client:52
4:53 / 5:23



Validate forms for Errors.

Validations Inputs in Template-driven forms

Validating inputs in Reactive Forms

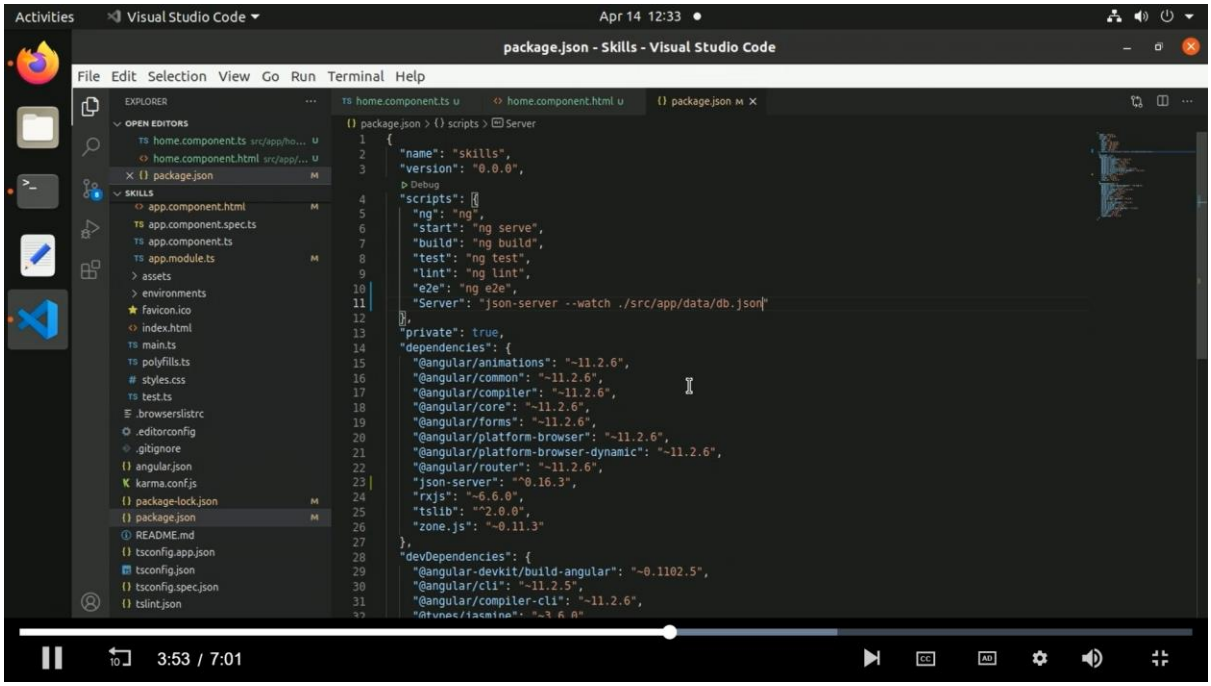


Installing server packages for testing

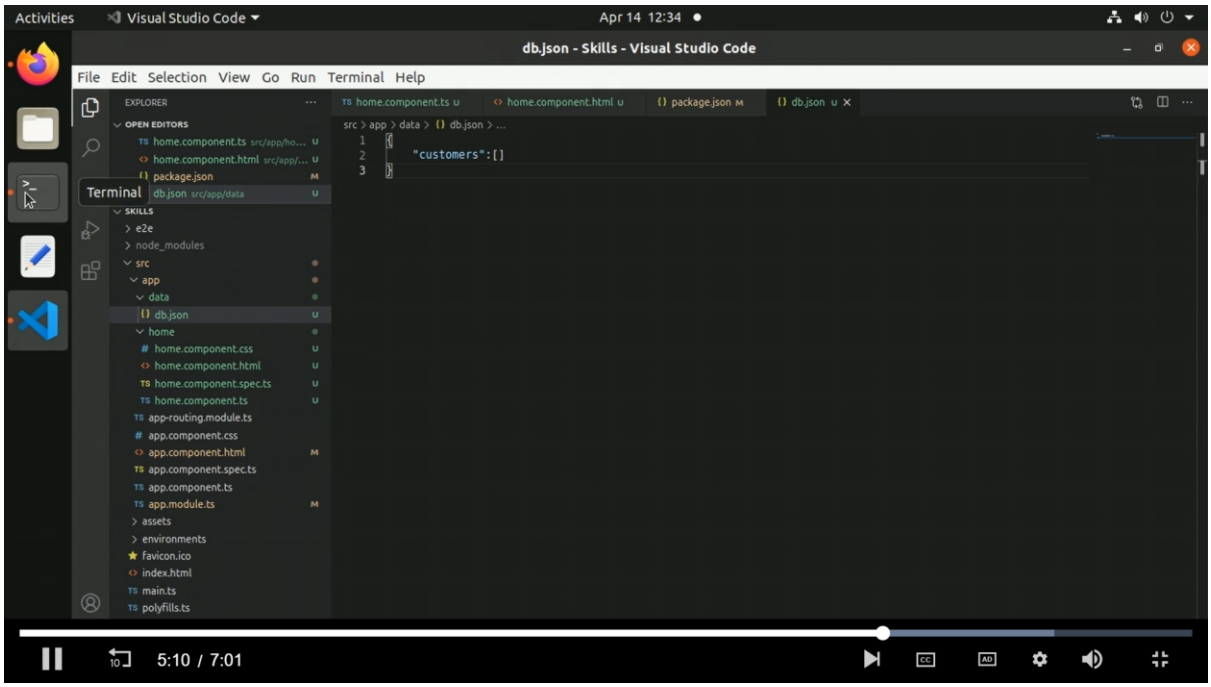
Json server for API Calls

Npm install Json-Server

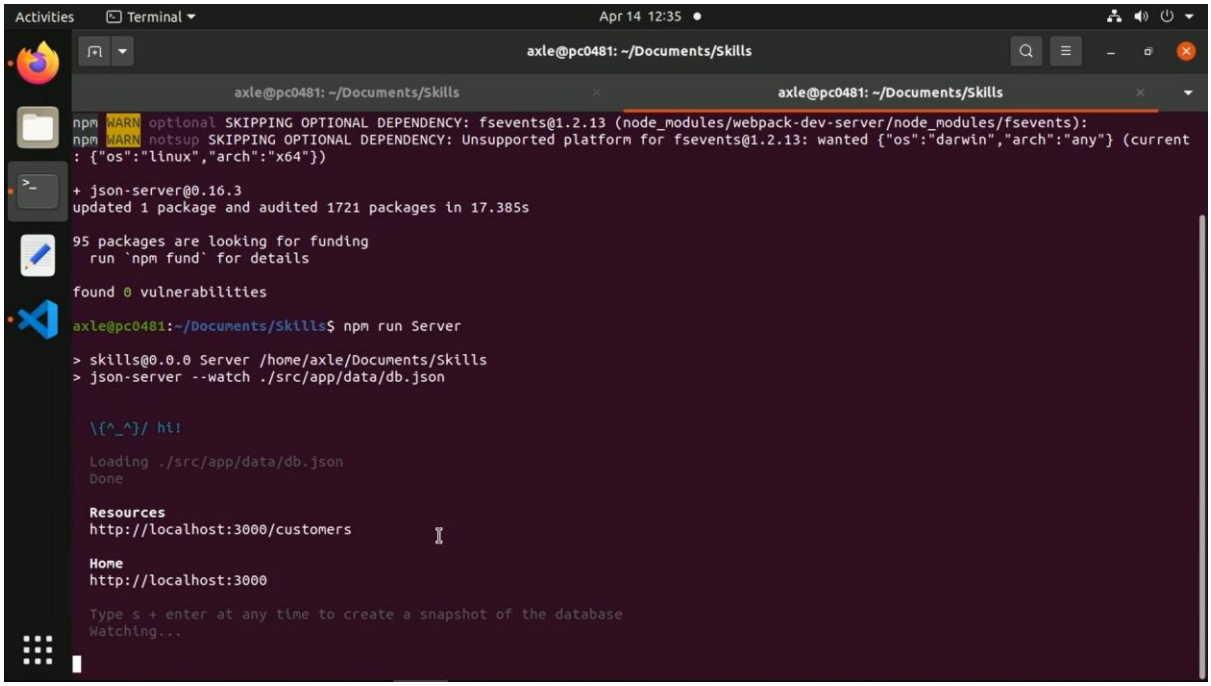
Package.json file changes

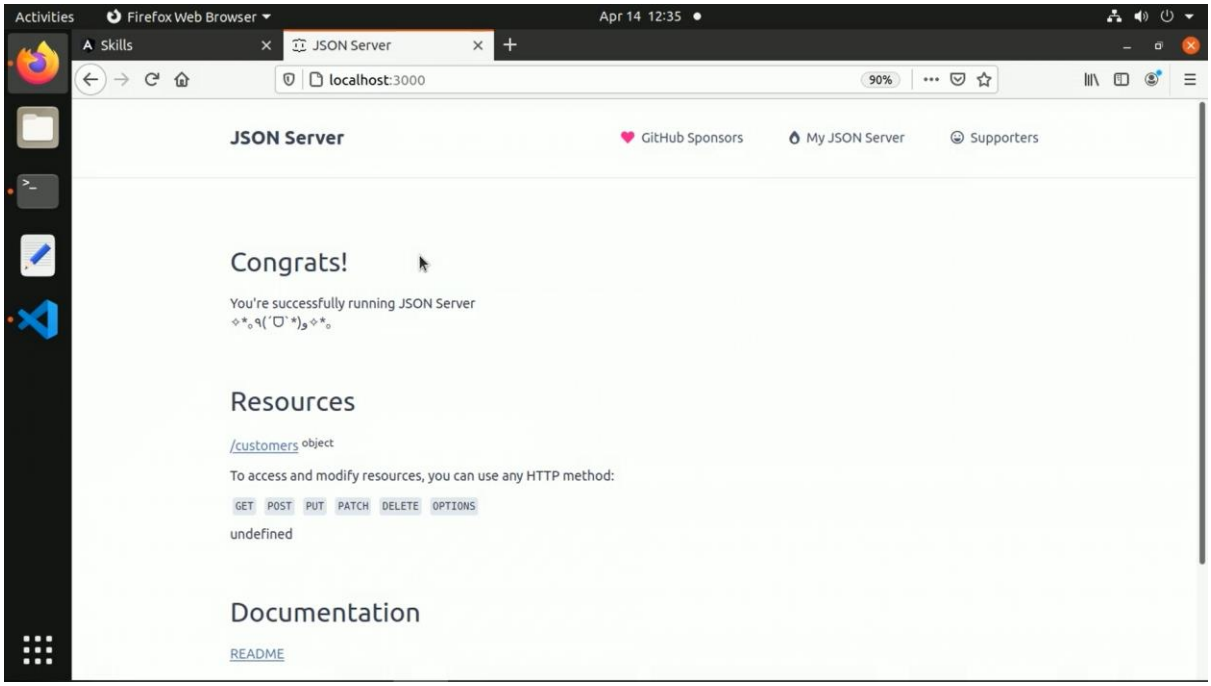


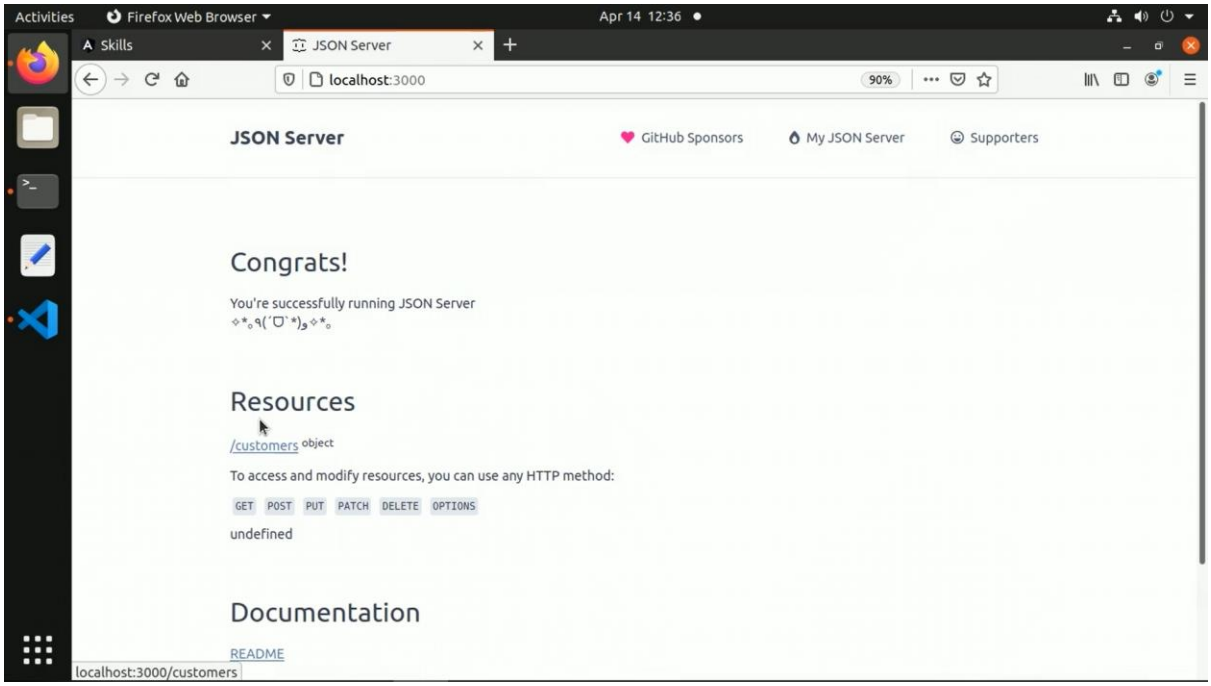
Db.json

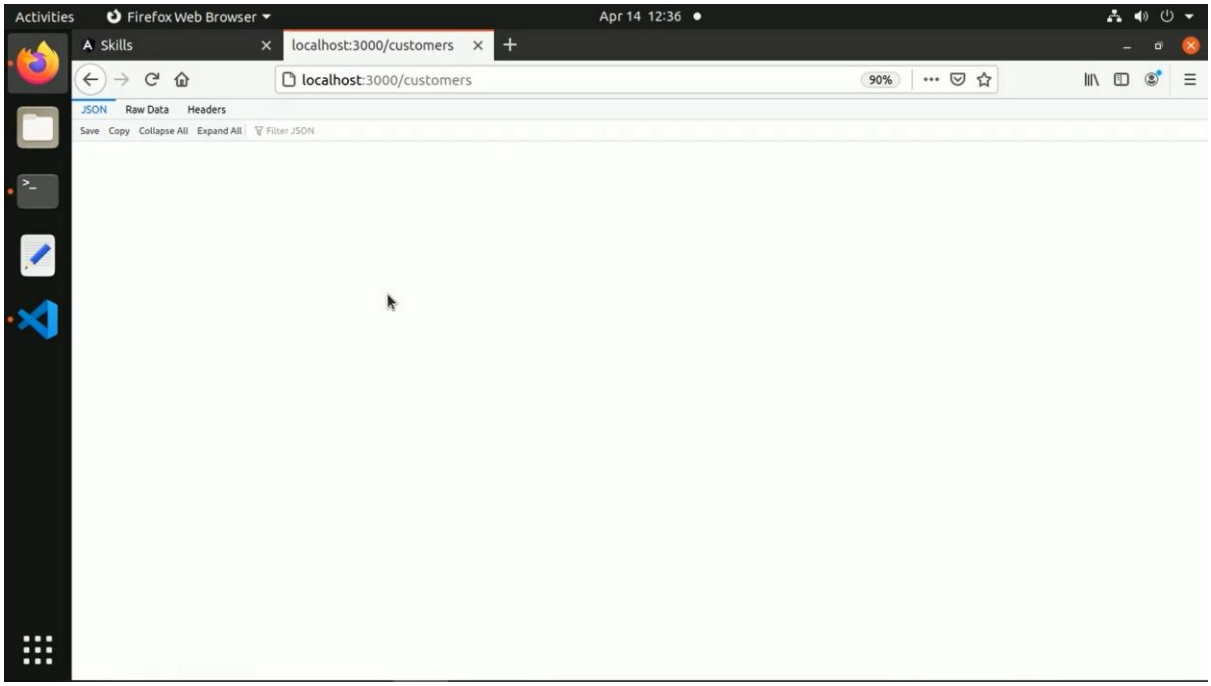


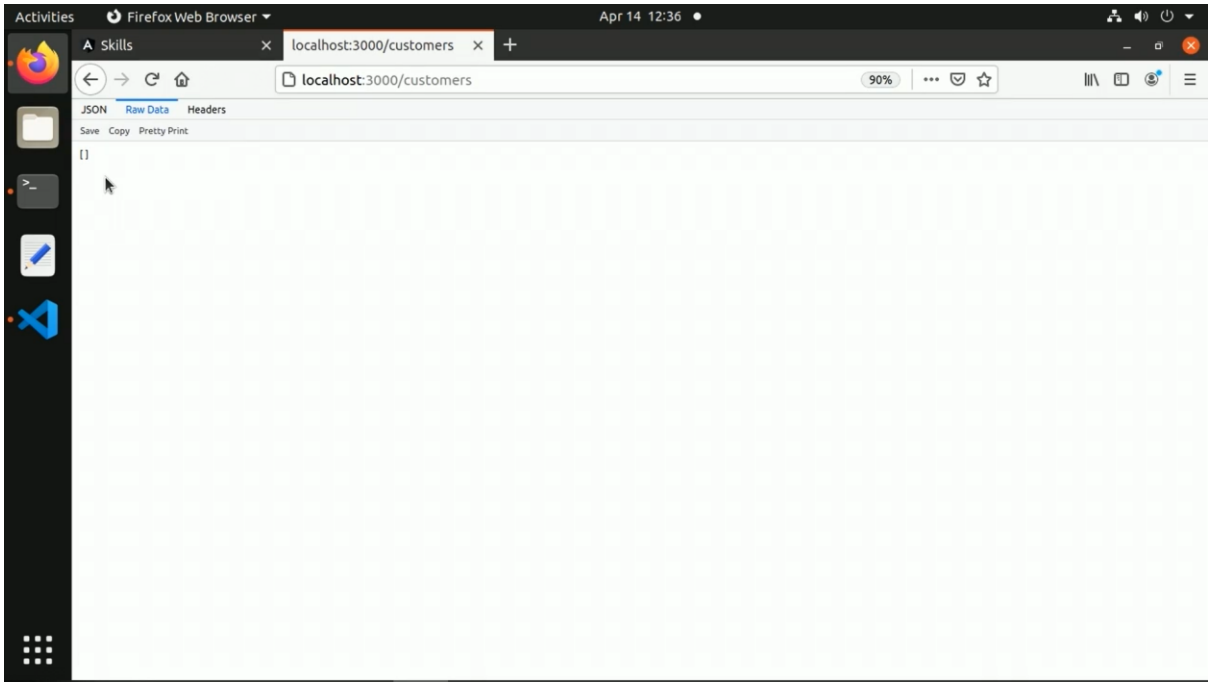
Npm run server


Activities
Terminal
Apr 14 12:35
axle@pc0481: ~/Documents/Skills
axle@pc0481: ~/Documents/Skills
axle@pc0481: ~/Documents/Skills
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules/webpack-dev-server/node_modules/fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current
: {"os":"linux","arch":"x64"})
+ json-server@0.16.3
updated 1 package and audited 1721 packages in 17.385s
95 packages are looking for funding
run `npm fund` for details
found 0 vulnerabilities
axle@pc0481:~/Documents/Skills$ npm run Server
> skills@0.0.0 Server /home/axle/Documents/Skills
> json-server --watch ./src/app/data/db.json
\{^_^}/ hi!
Loading ./src/app/data/db.json
Done
Resources
http://localhost:3000/customers
Home
http://localhost:3000
Type s + enter at any time to create a snapshot of the database
Watching...

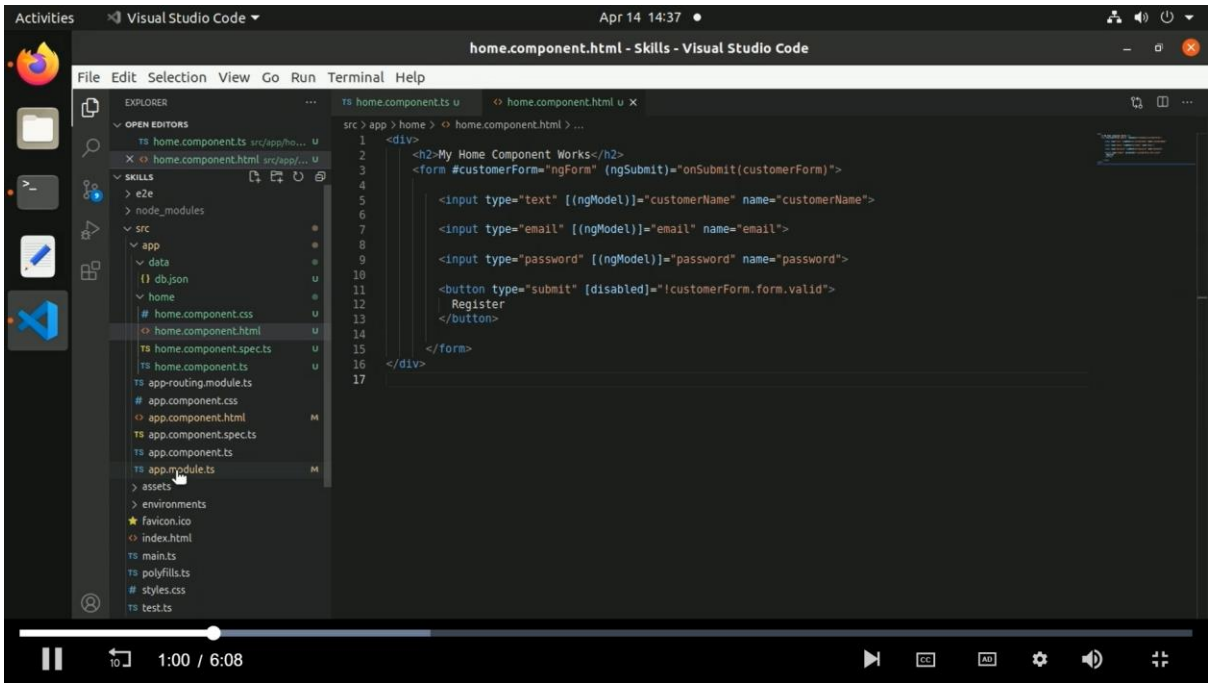

Activities
Firefox Web Browser
Apr 14 12:35
Skills
JSON Server
localhost:3000
90%
JSON Server
GitHub Sponsors
My JSON Server
Supporters
Congrats!
You're successfully running JSON Server
✧*。٩(ˊᗜˋ*)و✧*。
Resources
/customers object
To access and modify resources, you can use any HTTP method:
GET POST PUT PATCH DELETE OPTIONS
undefined
Documentation
README


Activities
Firefox Web Browser
Apr 14 12:36
Skills
JSON Server
localhost:3000
90%
JSON Server
GitHub Sponsors
My JSON Server
Supporters
Congrats!
You're successfully running JSON Server
✧*。٩(ˊᗜˋ*)و✧*。
Resources
/customers object
To access and modify resources, you can use any HTTP method:
GET POST PUT PATCH DELETE OPTIONS
undefined
Documentation
README
localhost:3000/customers

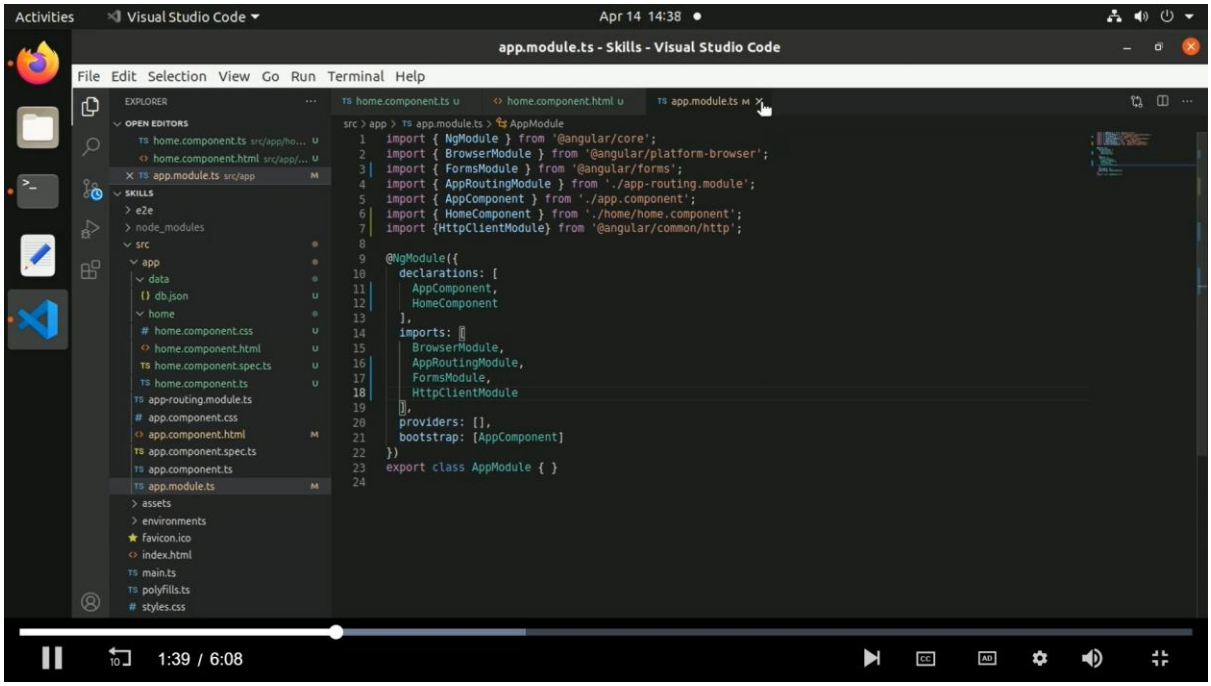

Activities
Firefox Web Browser
Apr 14 12:36
Skills
localhost:3000/customers
localhost:3000/customers
90%
JSON
Raw Data
Headers
Save
Copy
Collapse All
Expand All
Filter JSON

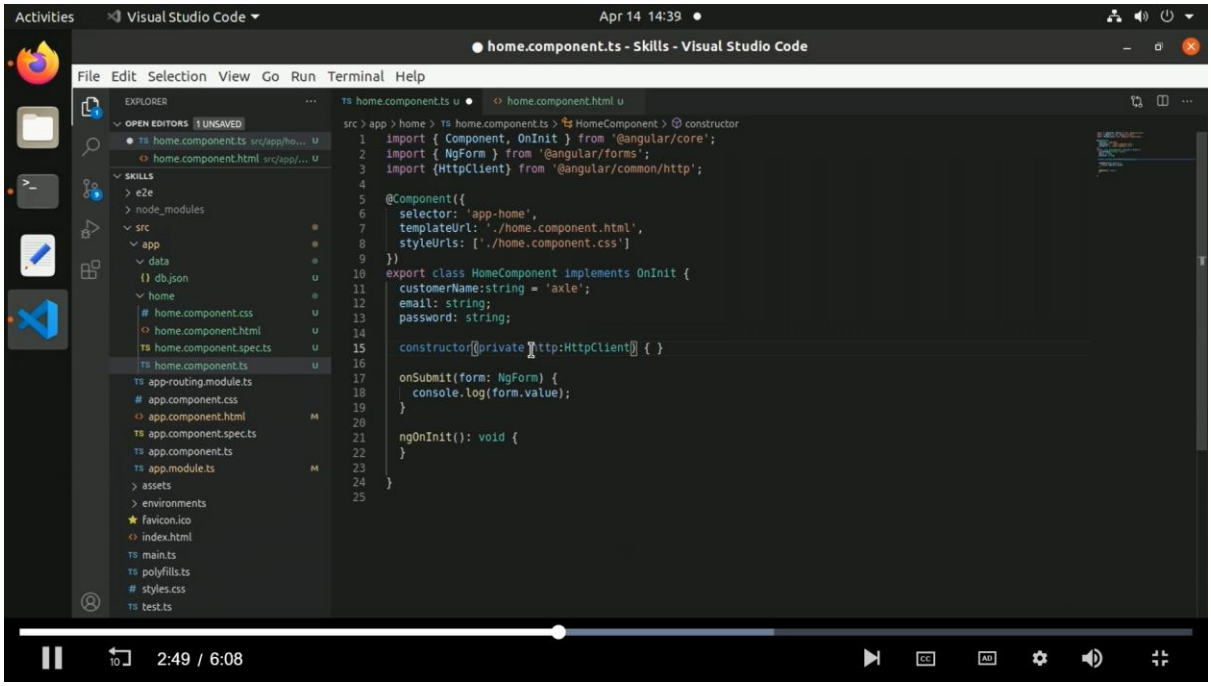


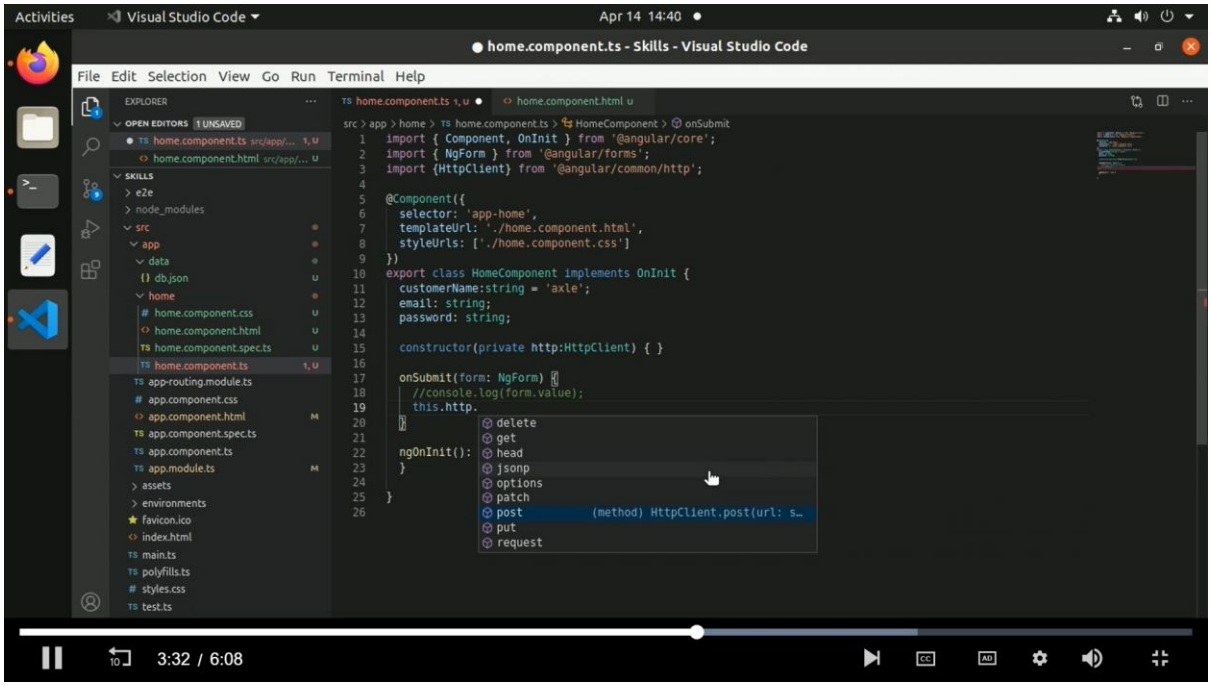
Implementing Http Post Request

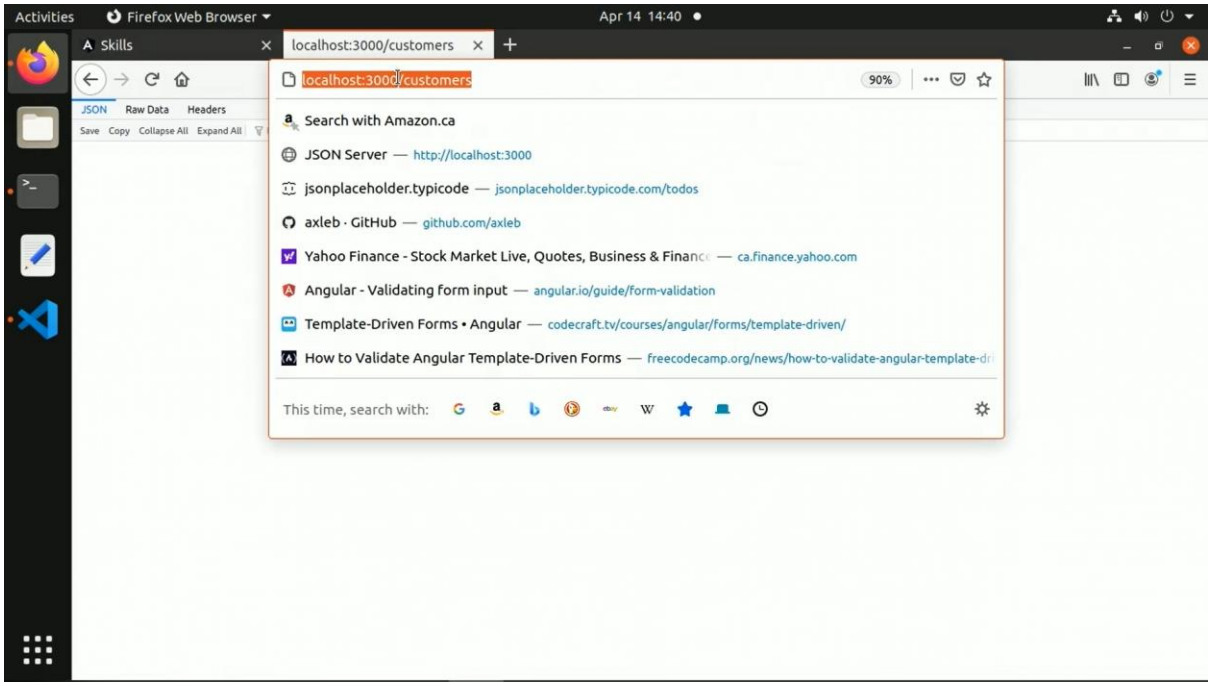


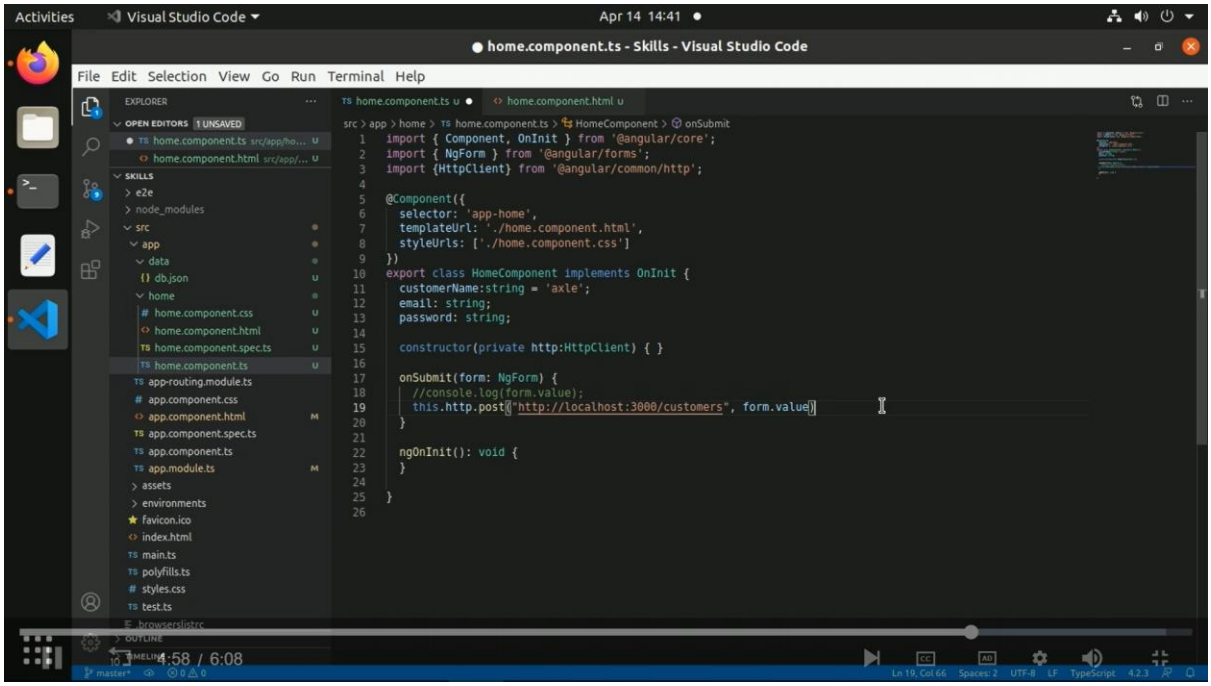
Form and HttpClient module

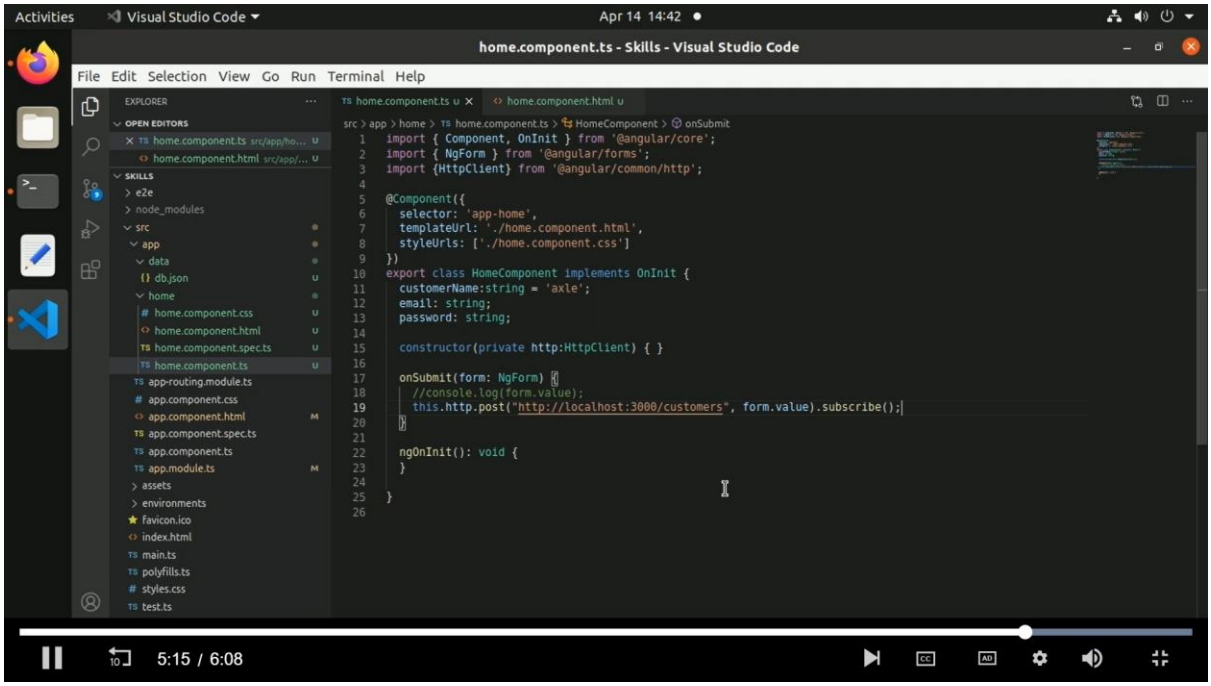

Activities
Visual Studio Code
Apr 14 14:38
app.module.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
home.component.ts src/app/ho... U
home.component.html src/app/... U
app.module.ts src/app M
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
home.component.ts U
home.component.html U
app.module.ts M
src > app > app.module.ts > AppModule
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { FormsModule } from '@angular/forms';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { HomeComponent } from './home/home.component';
import {HttpClientModule} from '@angular/common/http';
@NgModule({
declarations: [
AppComponent,
HomeComponent
],
imports: [
BrowserModule,
AppRoutingModule,
FormsModule,
HttpClientModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }
1:39 / 6:08

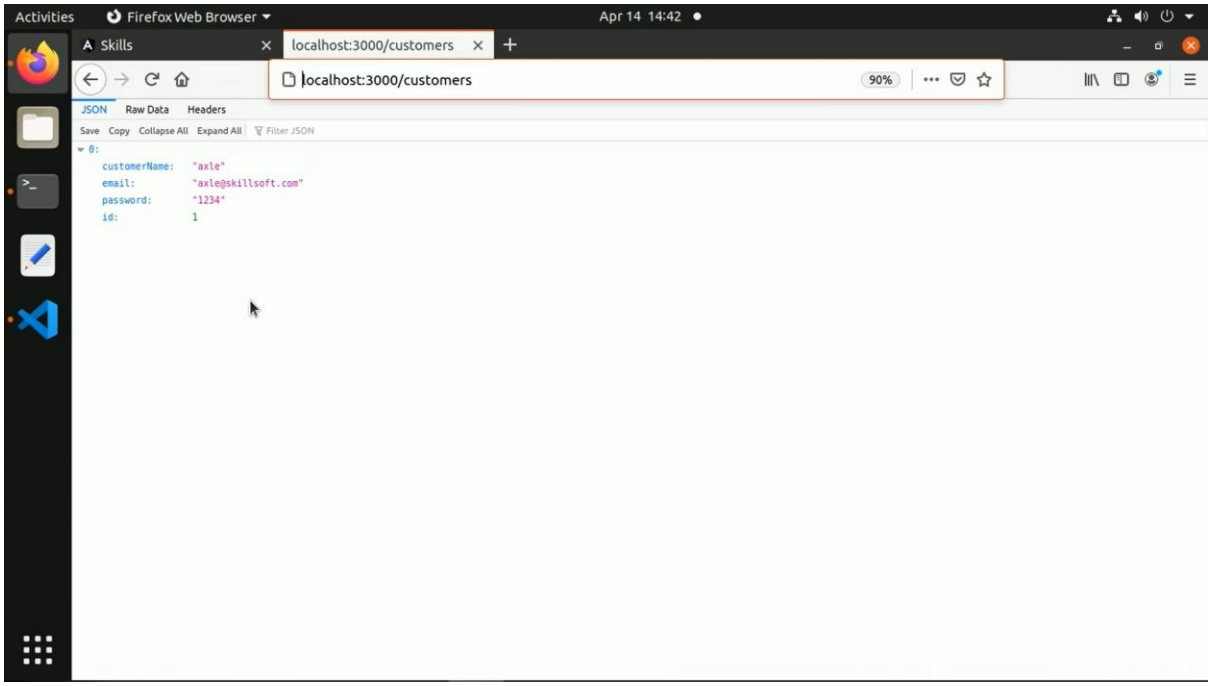

Activities
Visual Studio Code
Apr 14 14:39
● home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
home.component.ts U
home.component.html U
src > app > home > home.component.ts > HomeComponent > constructor
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
constructor(private http:HttpClient) { }
onSubmit(form: NgForm) {
console.log(form.value);
}
ngOnInit(): void {
}
}
2:49 / 6:08


Activities
Visual Studio Code
Apr 14 14:40
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
home.component.ts src/app/... 1, U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
home.component.ts 1, U
home.component.html U
src > app > home > home.component.ts > HomeComponent > onSubmit
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
constructor(private http:HttpClient) { }
onSubmit(form: NgForm) {
//console.log(form.value);
this.http.
}
ngOnInit():
}
delete
get
head
jsonp
options
patch
post (method) HttpClient.post(url: s…
put
request
3:32 / 6:08

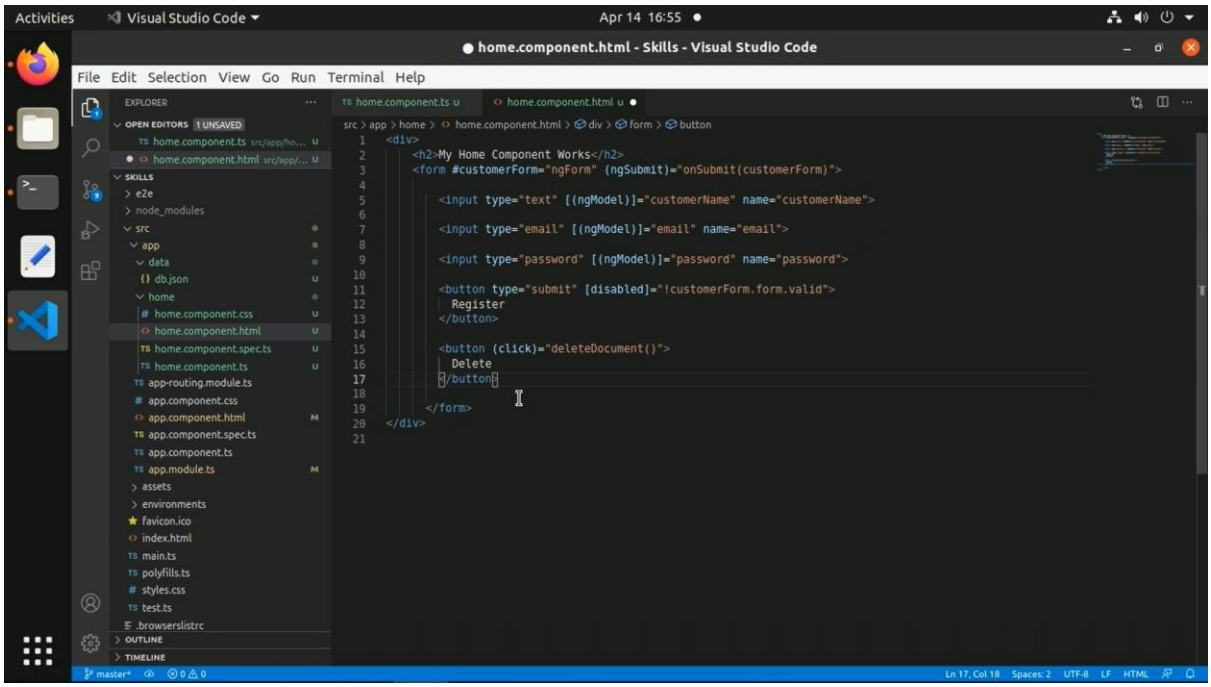

Activities
Firefox Web Browser
Apr 14 14:40
Skills
localhost:3000/customers
localhost:3000/customers
90%
JSON Raw Data Headers
Save Copy Collapse All Expand All
Search with Amazon.ca
JSON Server — http://localhost:3000
jsonplaceholder.typicode — jsonplaceholder.typicode.com/todos
axleb · GitHub — github.com/axleb
Yahoo Finance - Stock Market Live, Quotes, Business & Finan — ca.finance.yahoo.com
Angular - Validating form input — angular.io/guide/form-validation
Template-Driven Forms • Angular — codecraft.tv/courses/angular/forms/template-driven/
How to Validate Angular Template-Driven Forms — freecodecamp.org/news/how-to-validate-angular-template-dr
This time, search with:

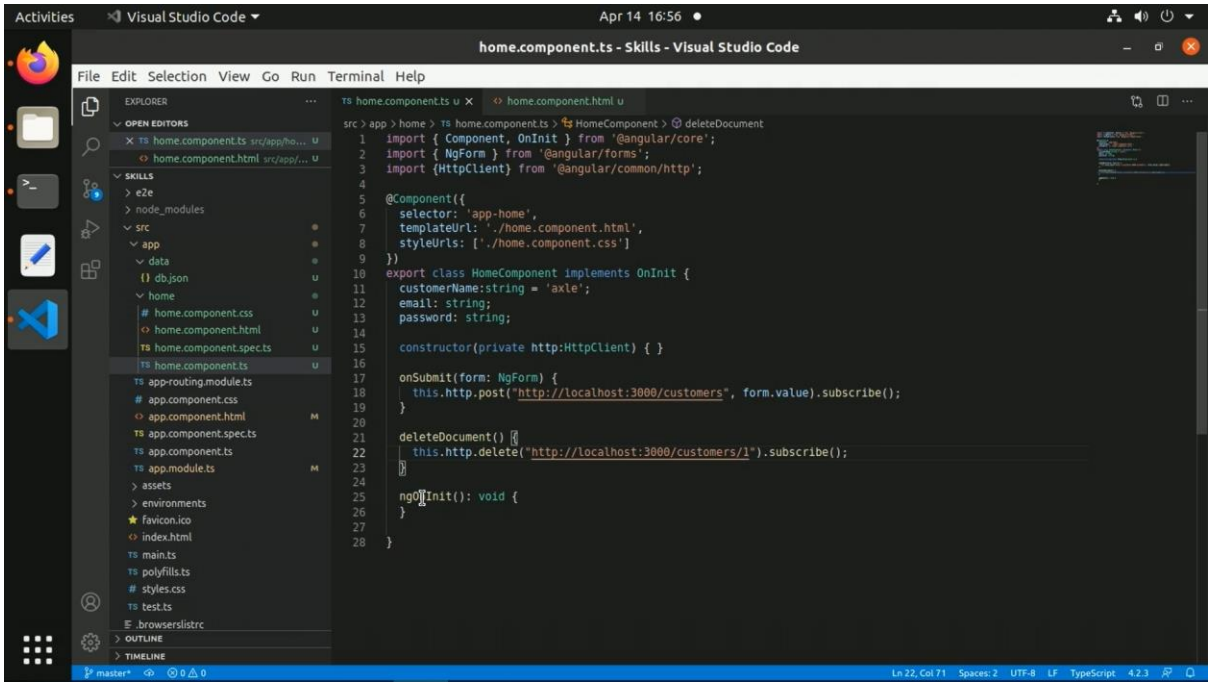

Activities
Visual Studio Code
Apr 14 14:41
● home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
browserslistrc
OUTLINE
TIMELINE
home.component.ts ● home.component.html U
src > app > home > home.component.ts > HomeComponent > onSubmit
1 import { Component, OnInit } from '@angular/core';
2 import { NgForm } from '@angular/forms';
3 import {HttpClient} from '@angular/common/http';
4
5 @Component({
6 selector: 'app-home',
7 templateUrl: './home.component.html',
8 styleUrls: ['./home.component.css']
9 })
10 export class HomeComponent implements OnInit {
11 customerName:string = 'axle';
12 email: string;
13 password: string;
14
15 constructor(private http:HttpClient) { }
16
17 onSubmit(form: NgForm) {
18 //console.log(form.value);
19 this.http.post("http://localhost:3000/customers", form.value)
20 }
21
22 ngOnInit(): void {
23 }
24
25 }
26
4:58 / 6:08
master*
Ln 19, Col 66
Spaces: 2
UTF-8
LF
TypeScript
4.2.3

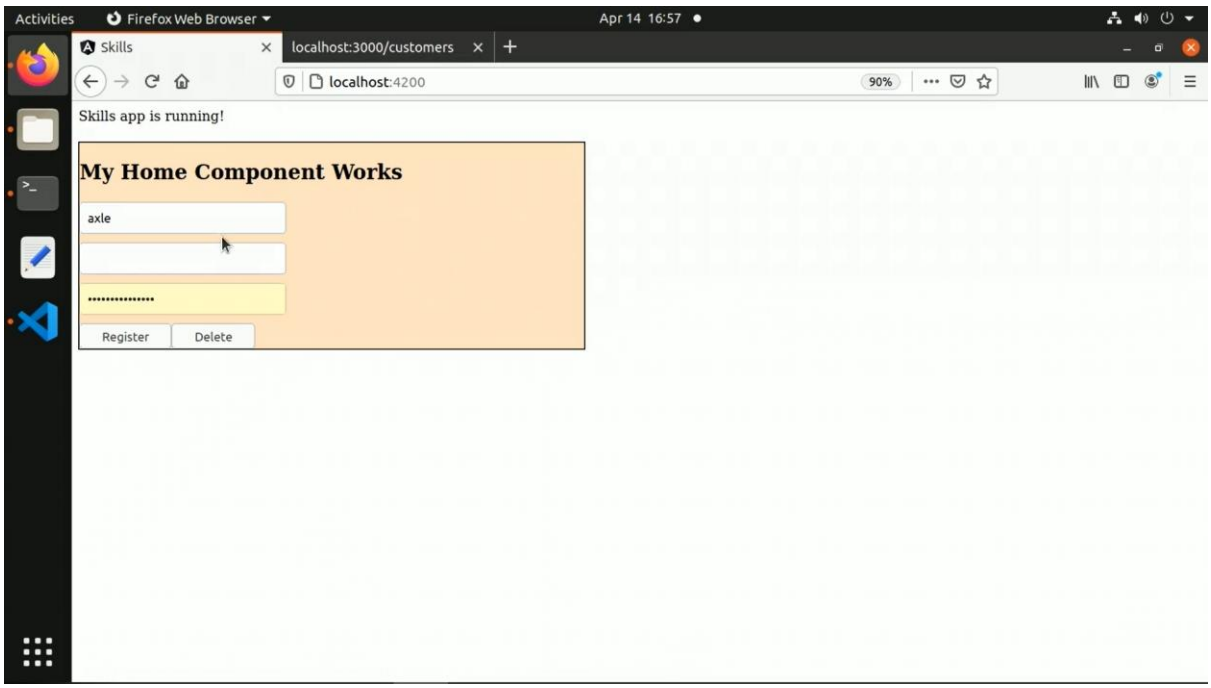

Activities
Visual Studio Code
Apr 14 14:42
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
home.component.ts U
home.component.html U
src > app > home > home.component.ts > HomeComponent > onSubmit
1 import { Component, OnInit } from '@angular/core';
2 import { NgForm } from '@angular/forms';
3 import {HttpClient} from '@angular/common/http';
4
5 @Component({
6 selector: 'app-home',
7 templateUrl: './home.component.html',
8 styleUrls: ['./home.component.css']
9 })
10 export class HomeComponent implements OnInit {
11 customerName:string = 'axle';
12 email: string;
13 password: string;
14
15 constructor(private http:HttpClient) { }
16
17 onSubmit(form: NgForm) {
18 //console.log(form.value);
19 this.http.post("http://localhost:3000/customers", form.value).subscribe();
20 }
21
22 ngOnInit(): void {
23 }
24
25 }
26
5:15 / 6:08

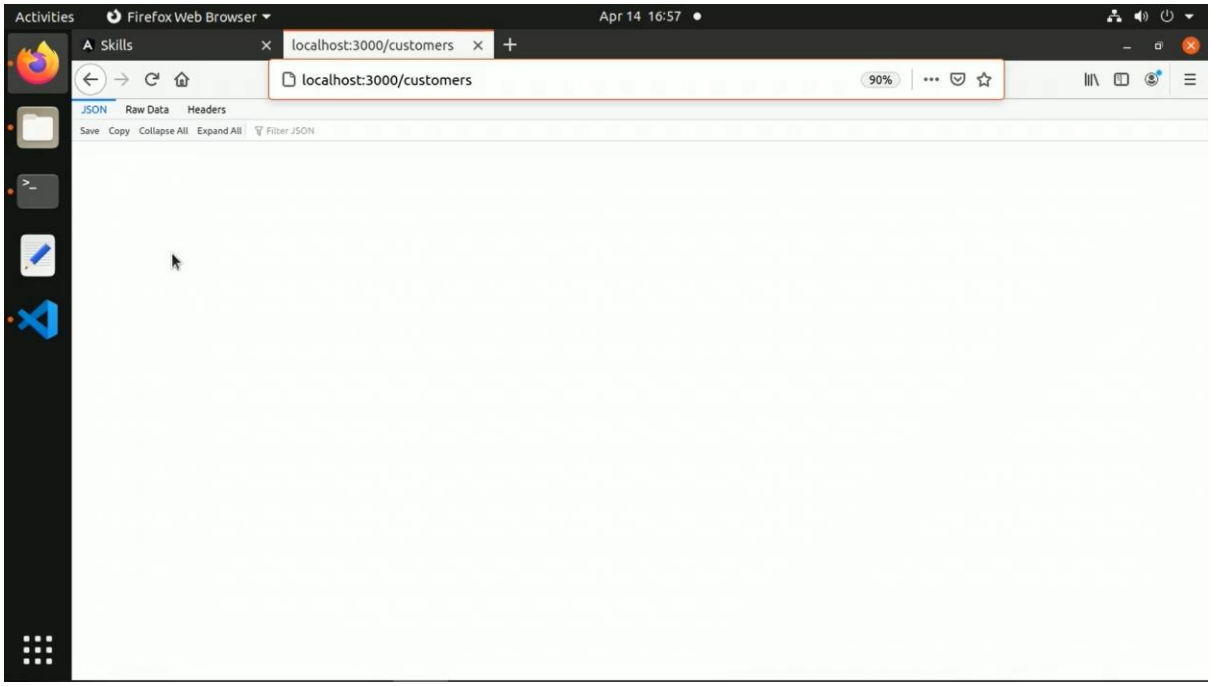


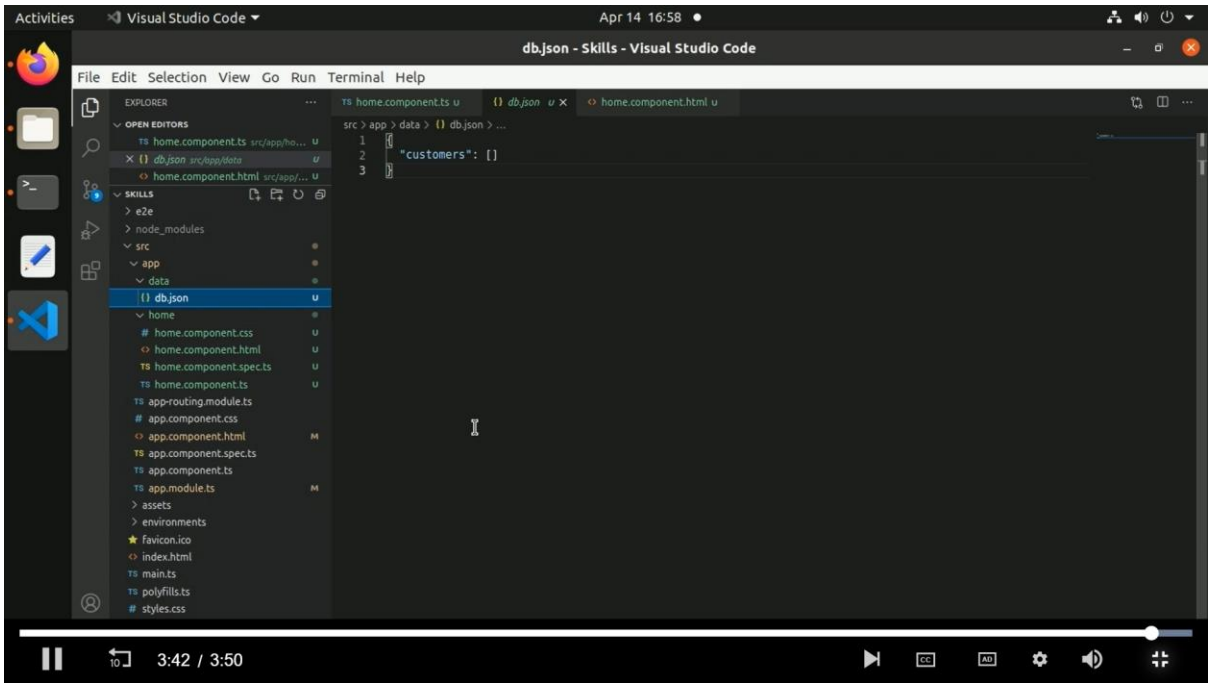
Implementing Delete Request



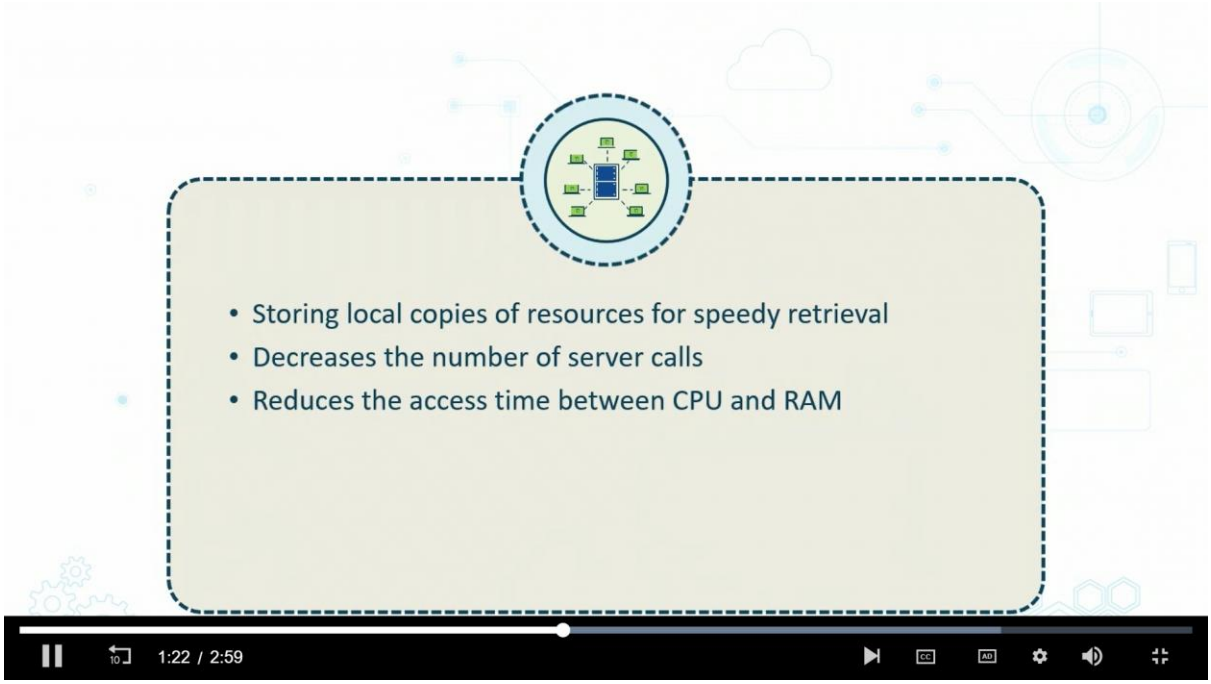

Activities
Visual Studio Code
Apr 14 16:56
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
home.component.ts src/app/ho... U
home.component.html src/app/... U
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
home.component.ts u
home.component.html u
src > app > home > home.component.ts > HomeComponent > deleteDocument
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
constructor(private http:HttpClient) { }
onSubmit(form: NgForm) {
this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
deleteDocument() {
this.http.delete("http://localhost:3000/customers/1").subscribe();
}
ngOnInit(): void {
}
}
master*
Ln 22, Col 71
Spaces: 2
UTF-8
LF
TypeScript
4.2.3


Activities
Firefox Web Browser
Apr 14 16:57
Skills
localhost:3000/customers
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Delete

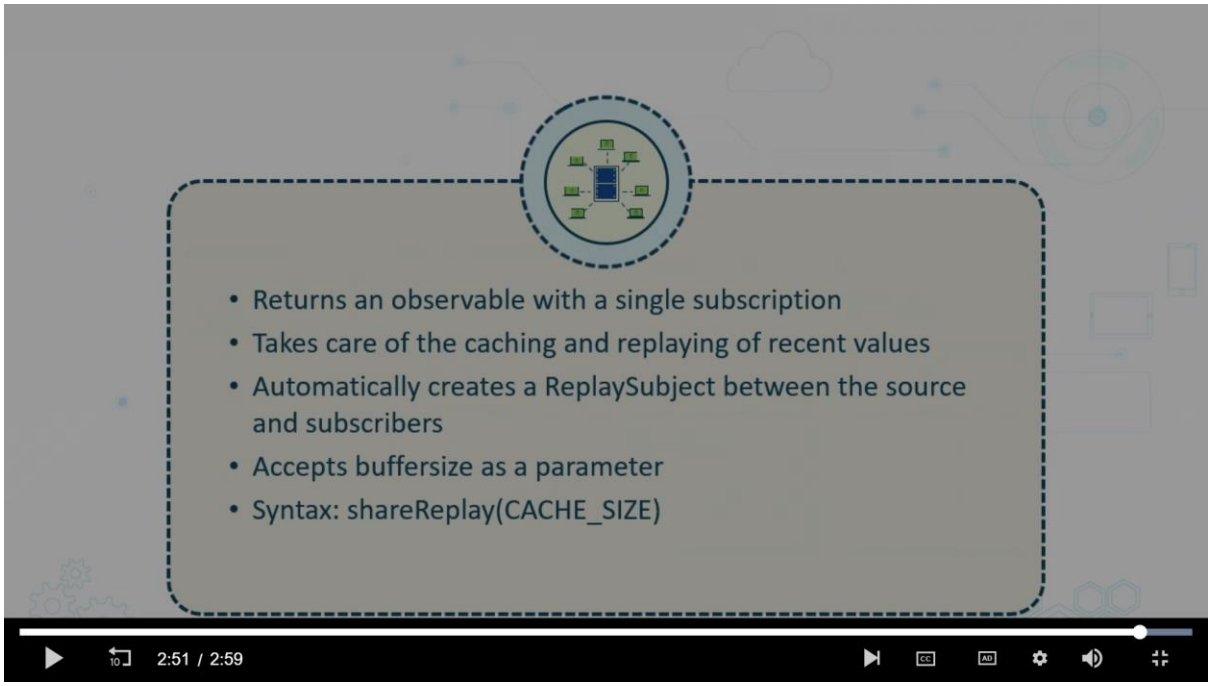




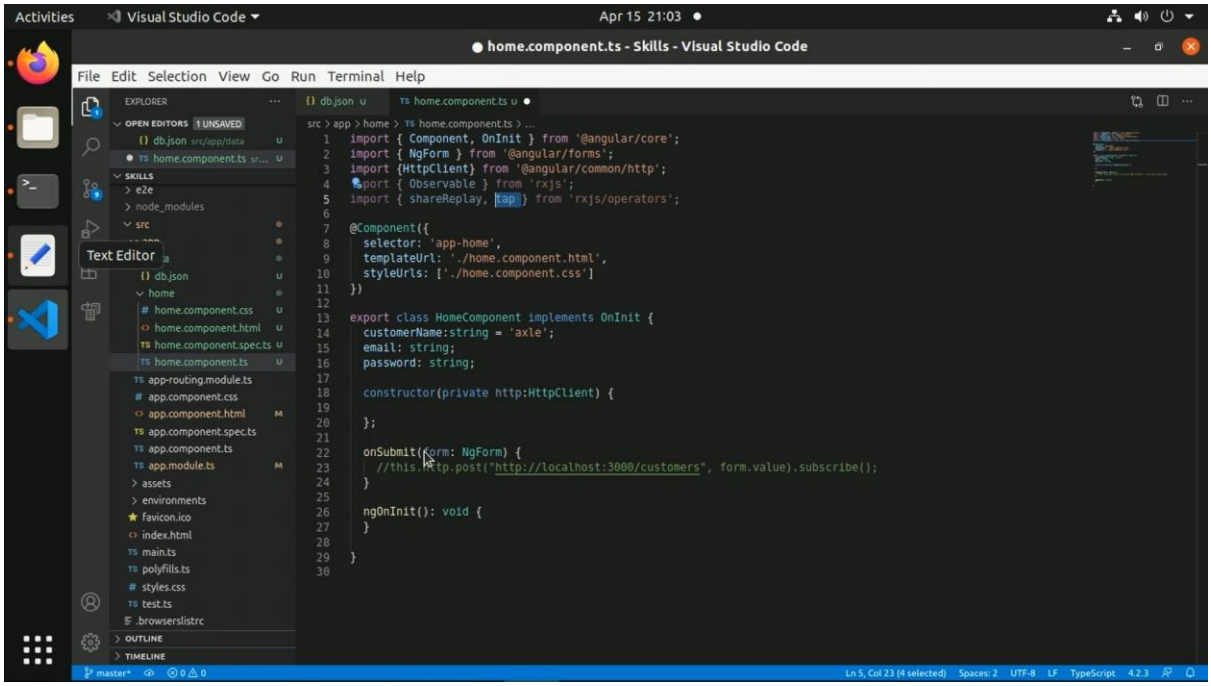
Chaching in Angular

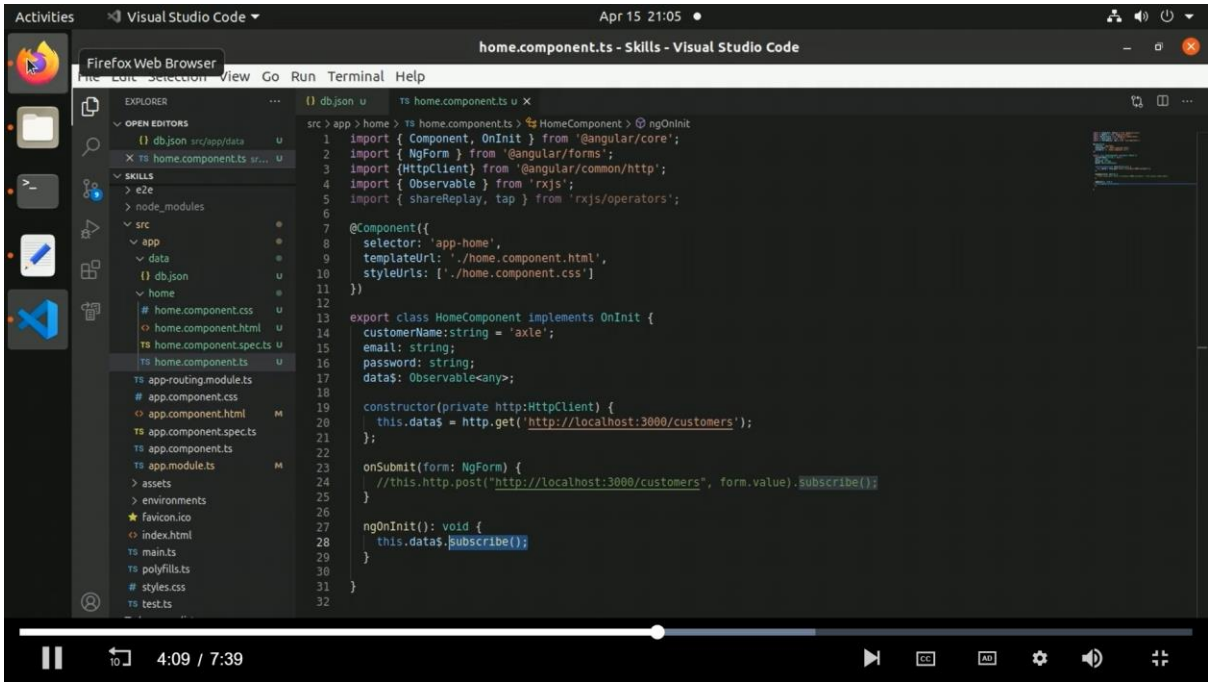


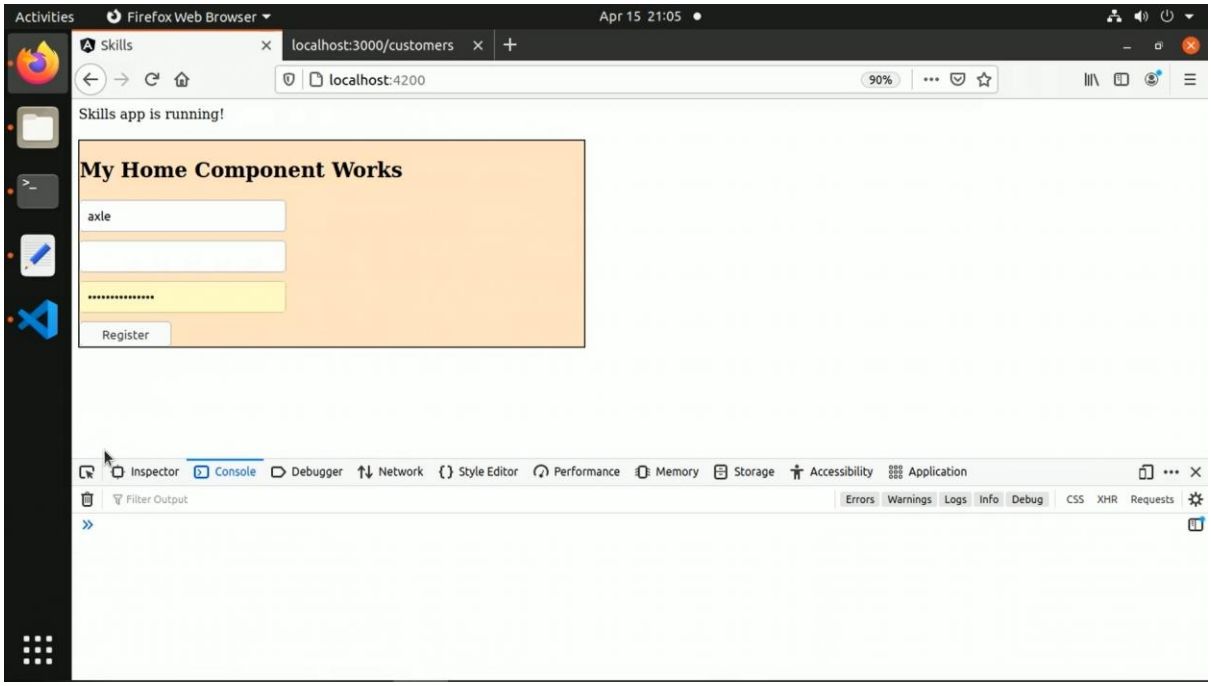
Using rxjs shareReplay

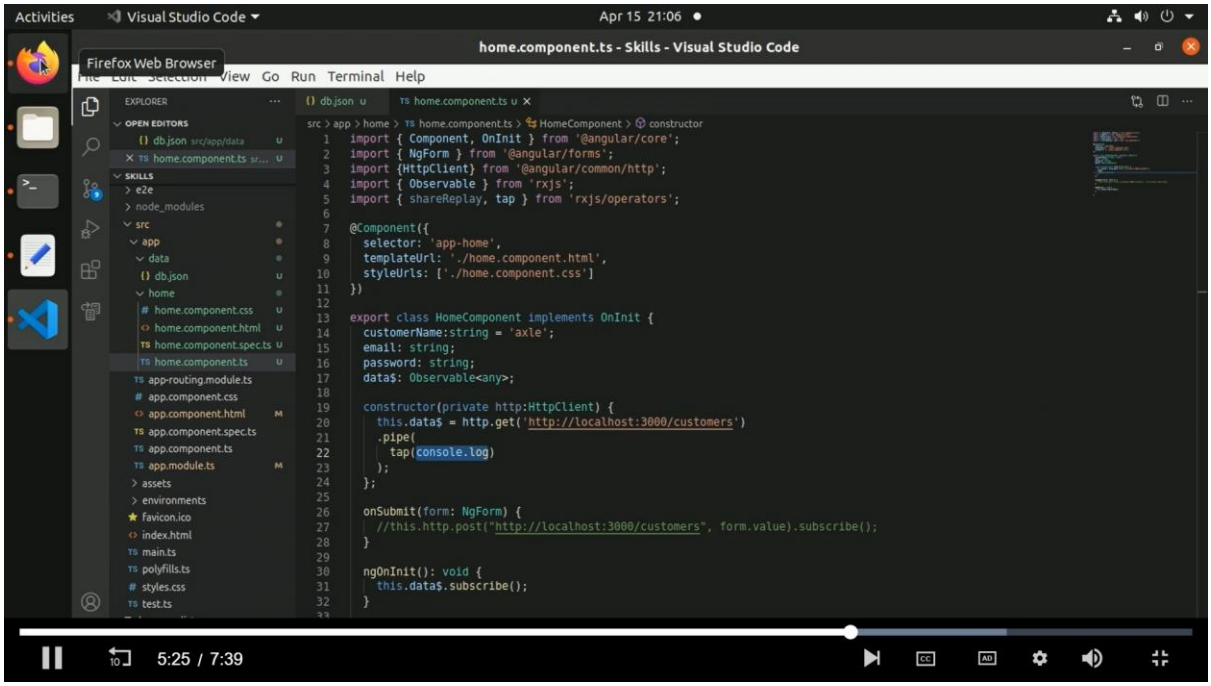


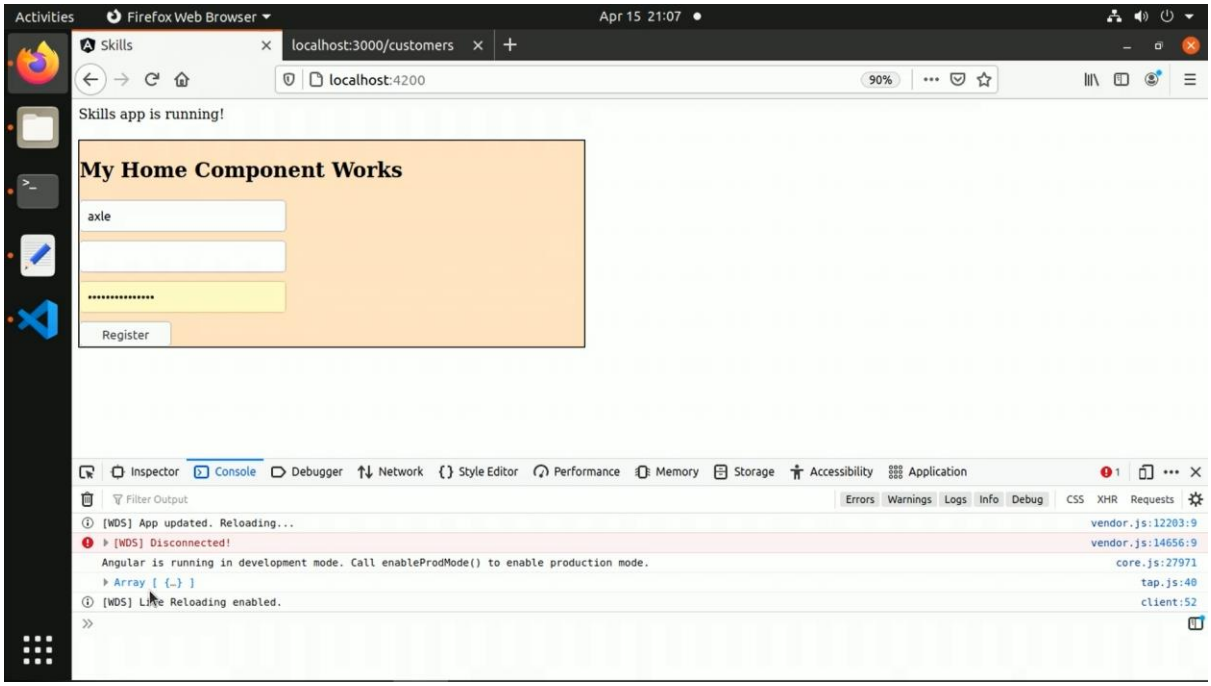
Performing Cache with with ShareReplay

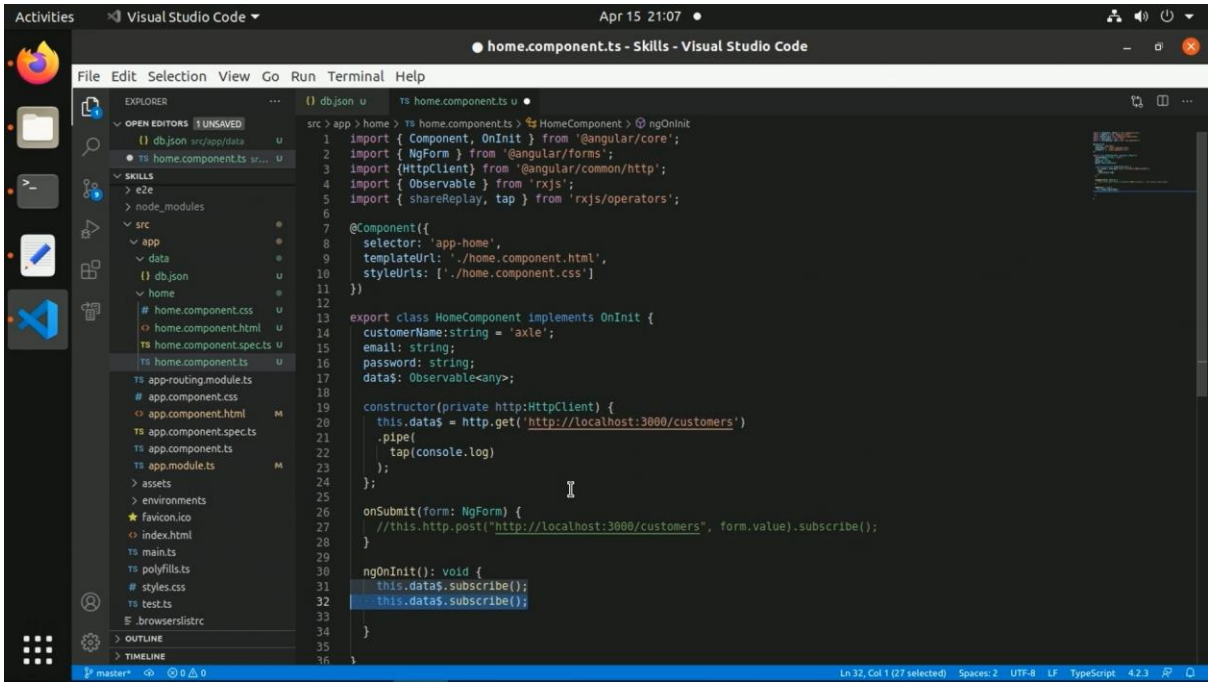

Activities
Visual Studio Code
Apr 15 21:03
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
Text Editor
EXPLORER
OPEN EDITORS 1 UNSAVED
db.json src/app/data
home.component.ts sr...
SKILLS
e2e
node_modules
src
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
db.json
home.component.ts
src > app > home > home.component.ts > ...
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
import { Observable } from 'rxjs';
import { shareReplay, tap } from 'rxjs/operators';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
constructor(private http:HttpClient) {
};
onSubmit(form: NgForm) {
//this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
ngOnInit(): void {
}
}
master*
Ln 5, Col 23 (4 selected)
Spaces: 2
UTF-8
LF
TypeScript
4.2.3


Activities
Visual Studio Code
Apr 15 21:05
home.component.ts - Skills - Visual Studio Code
Firefox Web Browser
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
db.json src/app/data
home.component.ts sr...
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
db.json
home.component.ts
src > app > home > home.component.ts > HomeComponent > ngOnInit
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
import { Observable } from 'rxjs';
import { shareReplay, tap } from 'rxjs/operators';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
data$: Observable<any>;
constructor(private http:HttpClient) {
this.data$ = http.get('http://localhost:3000/customers');
};
onSubmit(form: NgForm) {
//this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
ngOnInit(): void {
this.data$.subscribe();
}
}
4:09 / 7:39


Activities
Firefox Web Browser
Apr 15 21:05
Skills
localhost:3000/customers
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
Storage
Accessibility
Application
Filter Output
Errors
Warnings
Logs
Info
Debug
CSS
XHR
Requests


Activities
Visual Studio Code
Apr 15 21:06
home.component.ts - Skills - Visual Studio Code
Firefox Web Browser
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
SKILLS
db.json
home.component.ts
HomeComponent
constructor
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
import { Observable } from 'rxjs';
import { shareReplay, tap } from 'rxjs/operators';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
data$: Observable<any>;
constructor(private http:HttpClient) {
this.data$ = http.get('http://localhost:3000/customers')
.pipe(
tap(console.log)
);
};
onSubmit(form: NgForm) {
//this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
ngOnInit(): void {
this.data$.subscribe();
}
5:25 / 7:39


Activities
Firefox Web Browser
Apr 15 21:07
Skills
localhost:3000/customers
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
Storage
Accessibility
Application
Filter Output
Errors
Warnings
Logs
Info
Debug
CSS
XHR
Requests
[WDS] App updated. Reloading...
vendor.js:12203:9
[WDS] Disconnected!
vendor.js:14656:9
Angular is running in development mode. Call enableProdMode() to enable production mode.
core.js:27971
Array [{…}]
tap.js:40
[WDS] Live Reloading enabled.
client:52


Activities
Visual Studio Code
Apr 15 21:07
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
db.json src/app/data
home.component.ts src...
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
src > app > home > home.component.ts > HomeComponent > ngOnInit
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
import { Observable } from 'rxjs';
import { shareReplay, tap } from 'rxjs/operators';
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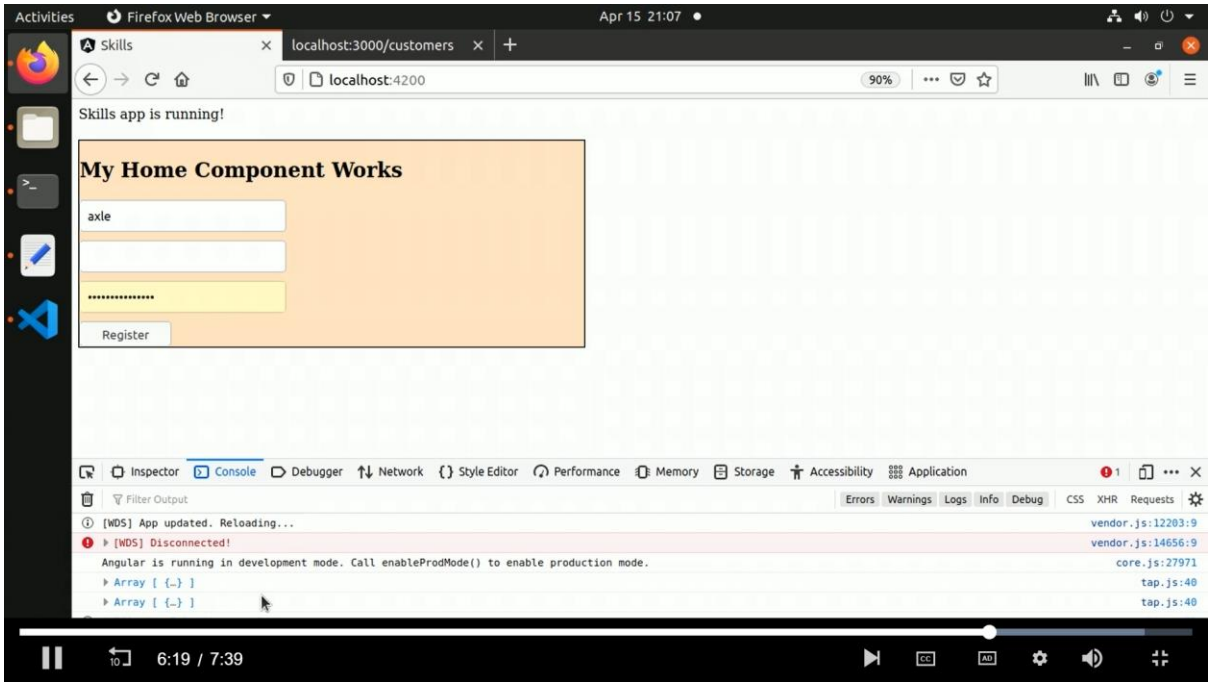
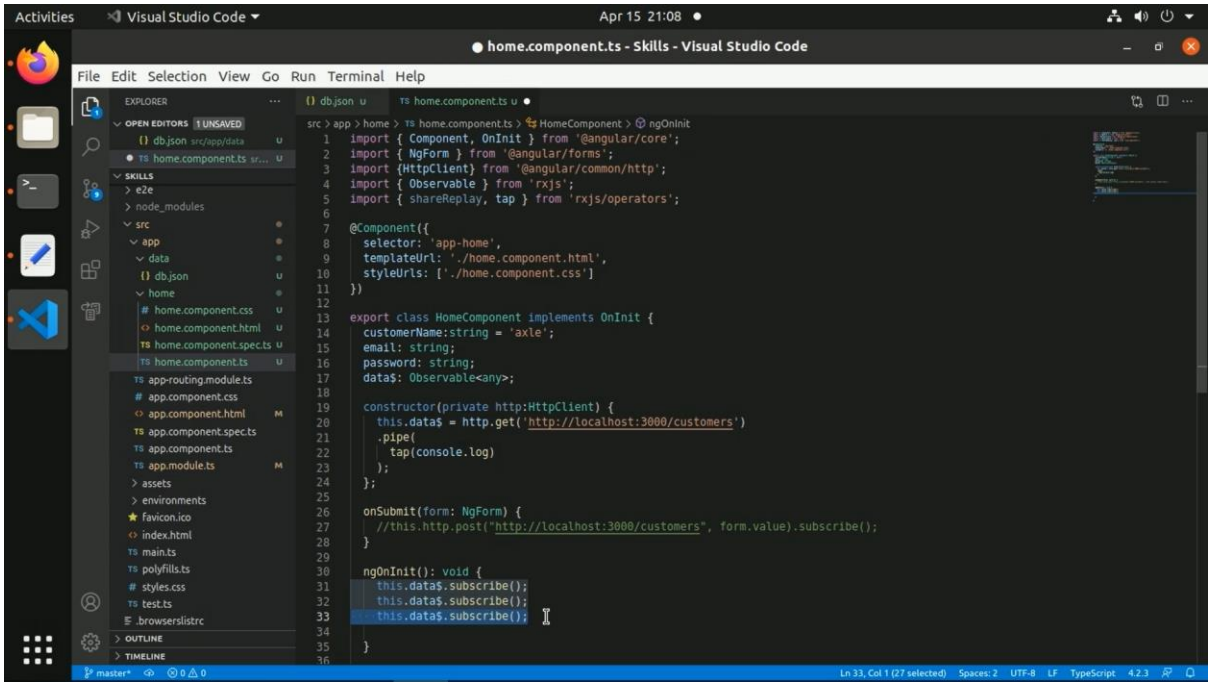
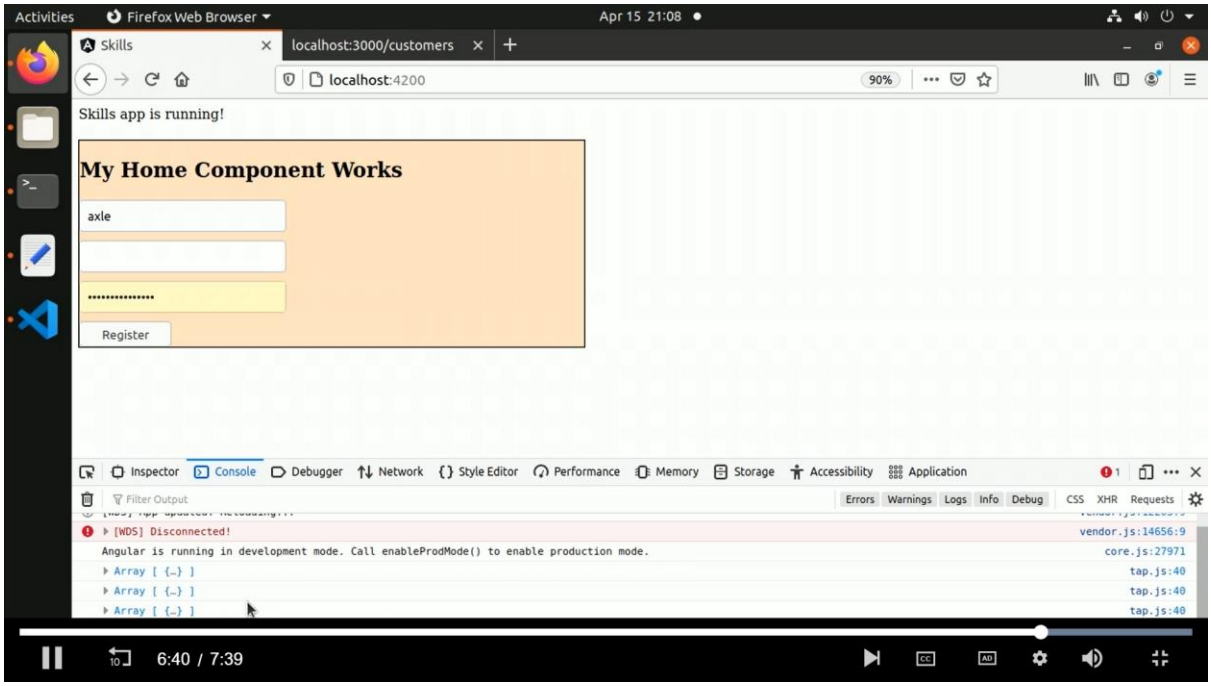
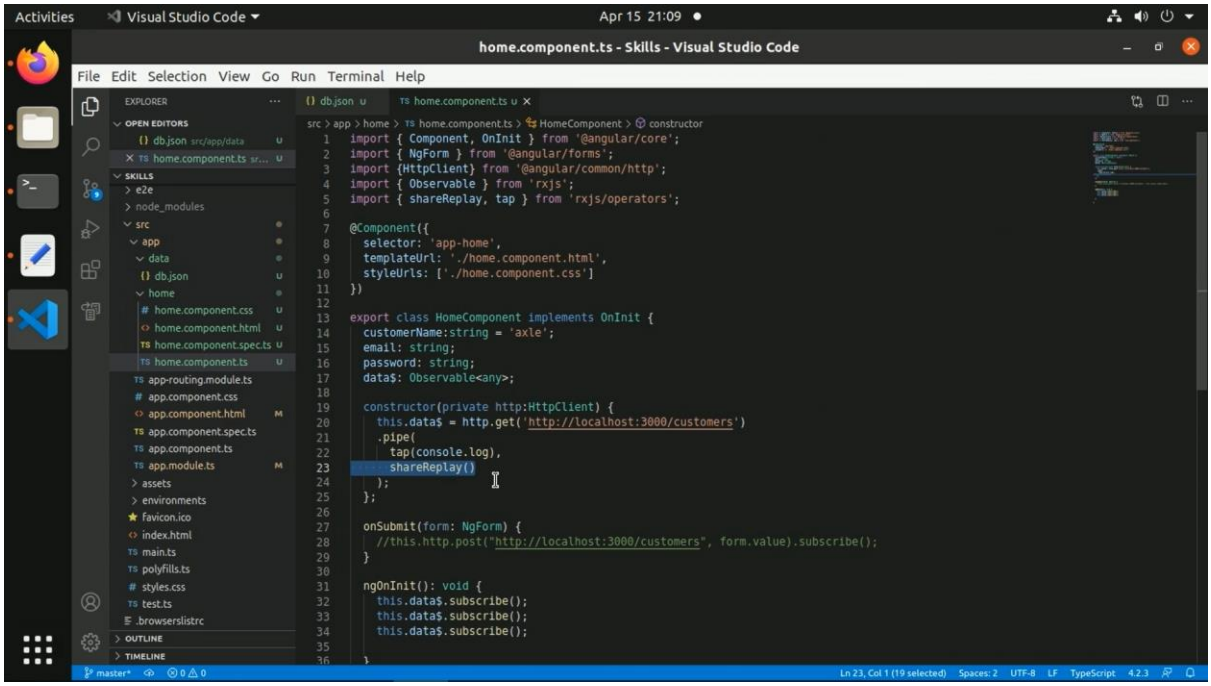
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
data$: Observable<any>;
constructor(private http:HttpClient) {
this.data$ = http.get('http://localhost:3000/customers')
.pipe(
tap(console.log)
);
};
onSubmit(form: NgForm) {
//this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
ngOnInit(): void {
this.data$.subscribe();
this.data$.subscribe();
}
}
master*
Ln 32, Col 1 (27 selected)
Spaces: 2
UTF-8
LF
TypeScript
4.2.3


Activities
Firefox Web Browser
Apr 15 21:07
Skills
localhost:3000/customers
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
Storage
Accessibility
Application
Filter Output
Errors
Warnings
Logs
Info
Debug
CSS
XHR
Requests
[WDS] App updated. Reloading...
vendor.js:12203:9
[WDS] Disconnected!
vendor.js:14656:9
Angular is running in development mode. Call enableProdMode() to enable production mode.
core.js:27971
Array [{…}]
tap.js:40
Array [{…}]
tap.js:40
6:19 / 7:39

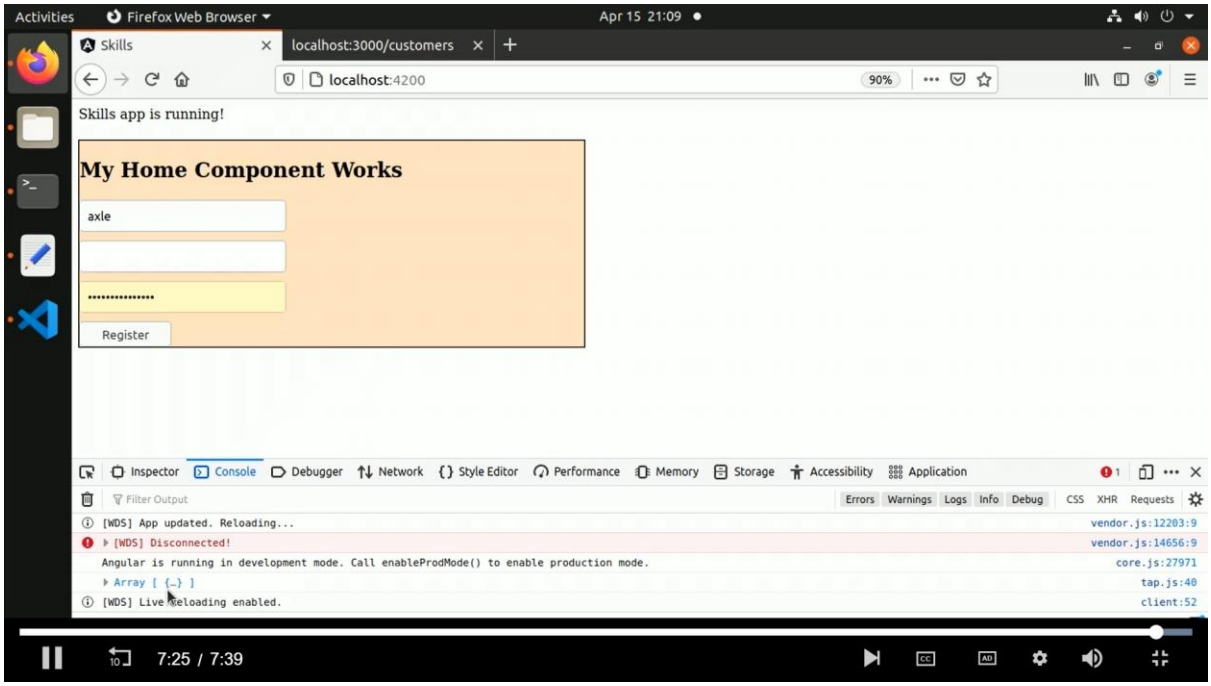

Activities
Visual Studio Code
Apr 15 21:08
home.component.ts - Skills - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
db.json src/app/data
home.component.ts
SKILLS
e2e
node_modules
src
app
data
db.json
home
home.component.css
home.component.html
home.component.spec.ts
home.component.ts
app-routing.module.ts
app.component.css
app.component.html
app.component.spec.ts
app.component.ts
app.module.ts
assets
environments
favicon.ico
index.html
main.ts
polyfills.ts
styles.css
test.ts
.browserslistrc
OUTLINE
TIMELINE
src > app > home > home.component.ts > HomeComponent > ngOnInit
import { Component, OnInit } from '@angular/core';
import { NgForm } from '@angular/forms';
import {HttpClient} from '@angular/common/http';
import { Observable } from 'rxjs';
import { shareReplay, tap } from 'rxjs/operators';
@Component({
selector: 'app-home',
templateUrl: './home.component.html',
styleUrls: ['./home.component.css']
})
export class HomeComponent implements OnInit {
customerName:string = 'axle';
email: string;
password: string;
data$: Observable<any>;
constructor(private http:HttpClient) {
this.data$ = http.get('http://localhost:3000/customers')
.pipe(
tap(console.log)
);
};
onSubmit(form: NgForm) {
//this.http.post("http://localhost:3000/customers", form.value).subscribe();
}
ngOnInit(): void {
this.data$.subscribe();
this.data$.subscribe();
this.data$.subscribe();
}
master*
Ln 33, Col 1 (27 selected)
Spaces: 2
UTF-8
LF
TypeScript
4.2.3





Sharereplay are used for Single call for same data like this.data$.subscribe()

Earlier it returning multiple, so finally its making cache by using sharereplay


Activities
Firefox Web Browser
Apr 15 21:09
Skills
localhost:3000/customers
localhost:4200
90%
Skills app is running!
My Home Component Works
axle
Register
Inspector
Console
Debugger
Network
Style Editor
Performance
Memory
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Accessibility
Application
Filter Output
Errors
Warnings
Logs
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[WDS] Disconnected!
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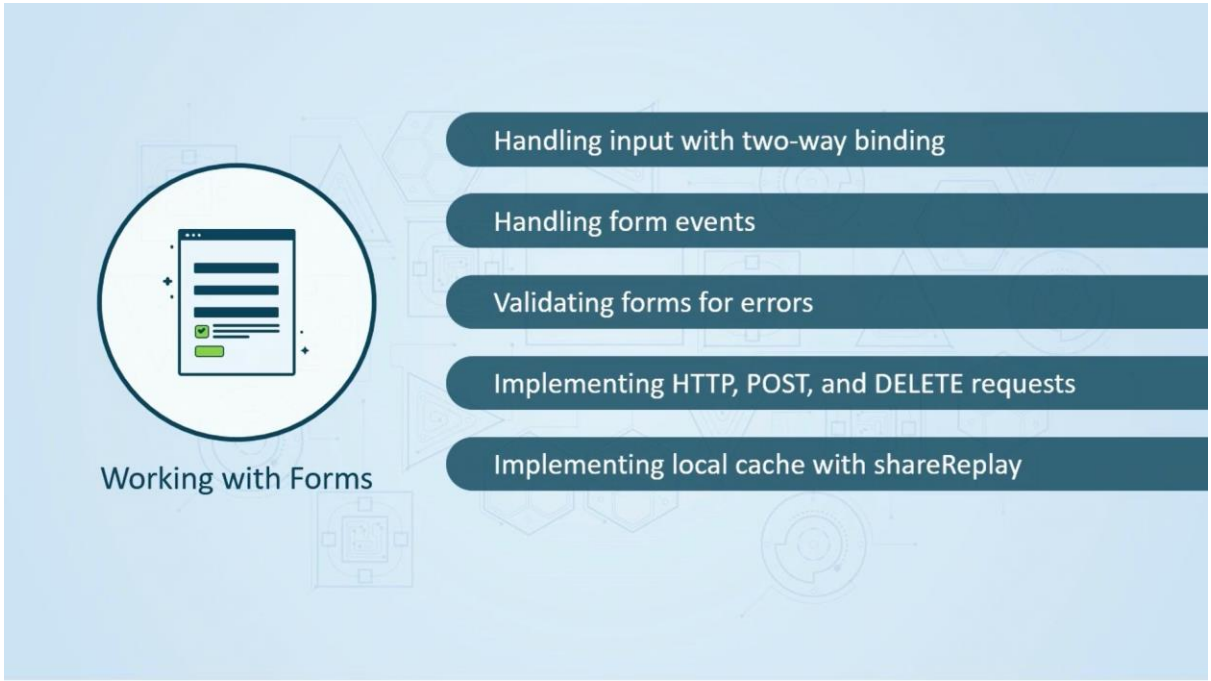
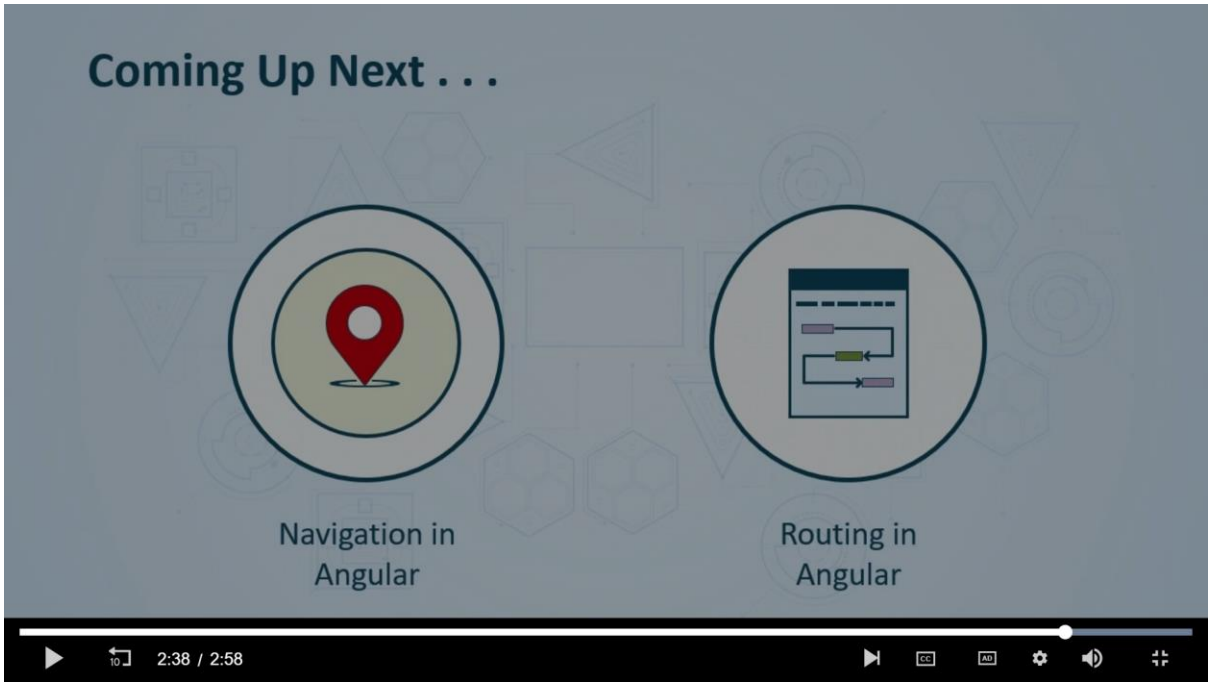
core.js:27971
Array [{…}]
tap.js:40
[WDS] Live Reloading enabled.
client:52
7:25 / 7:39


Working with Forms
Handling input with two-way binding
Handling form events
Validating forms for errors
Implementing HTTP, POST, and DELETE requests
Implementing local cache with shareReplay


Coming Up Next . . .
Navigation in Angular
Routing in Angular
2:38 / 2:58