Dynamically Duplicate Input Elements



Deborah Kurata
CONSULTANT | SPEAKER | AUTHOR | MVP | GDE
@deborahkurata | blogs.msmvps.com/deborahk/

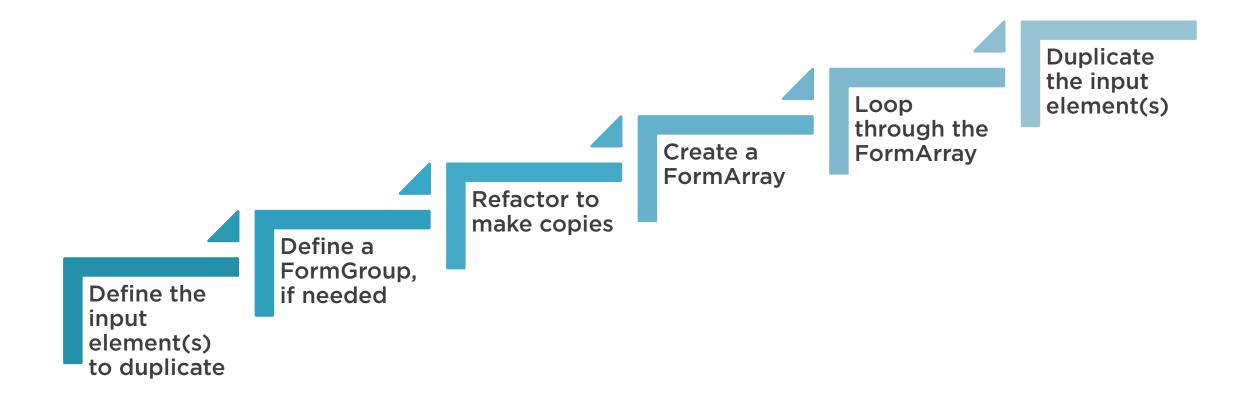


Module Overview

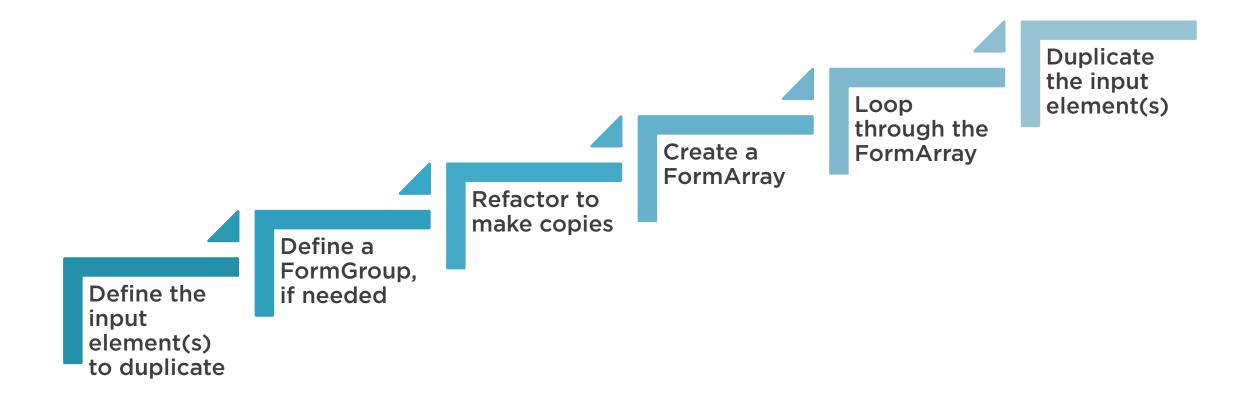
Steps

Perform Each Step

- FormArrays

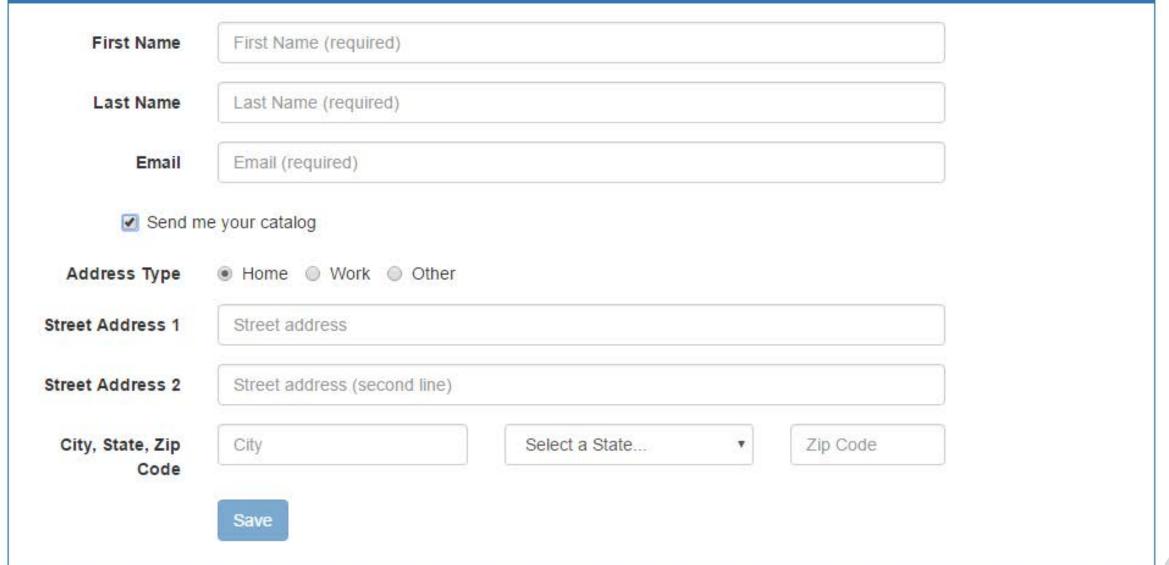




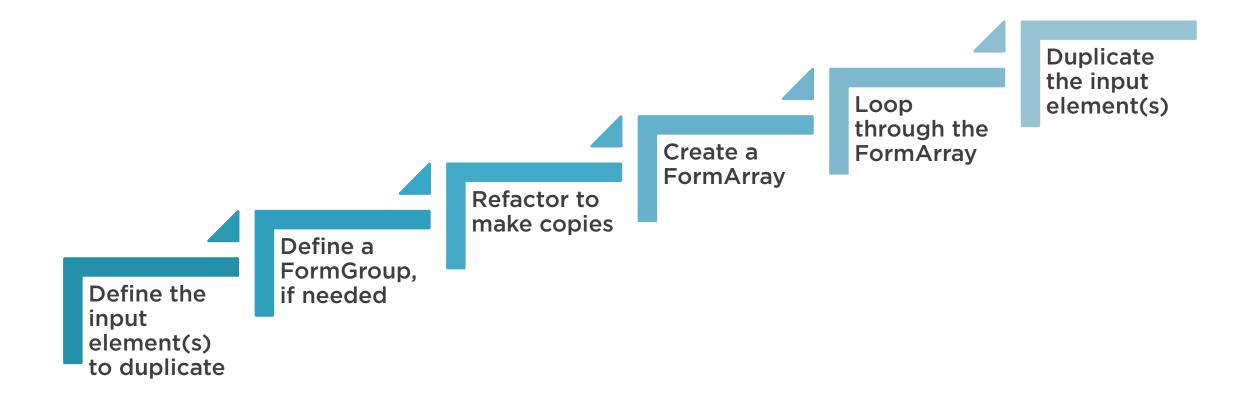




Sign Up!

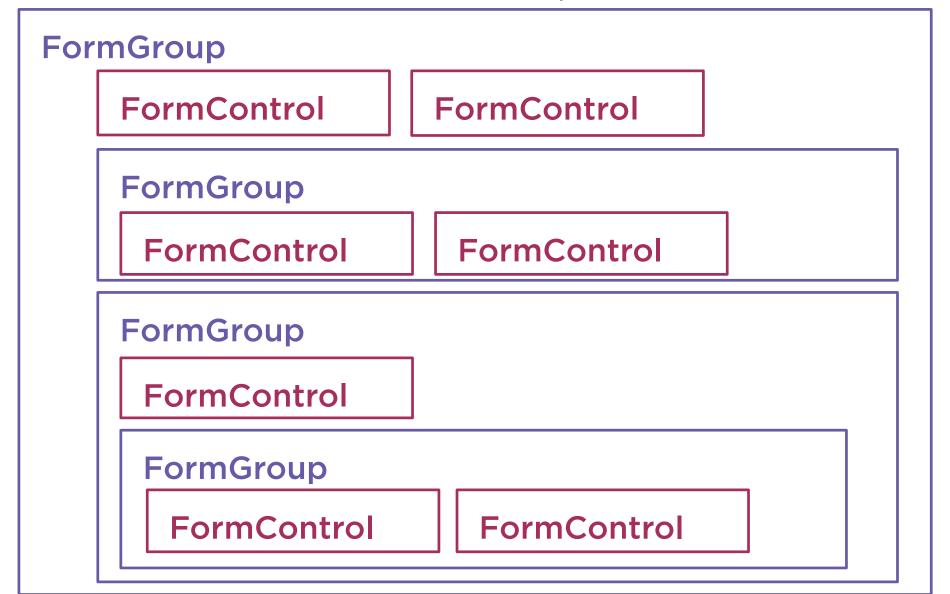








FormGroup



Benefits of a FormGroup

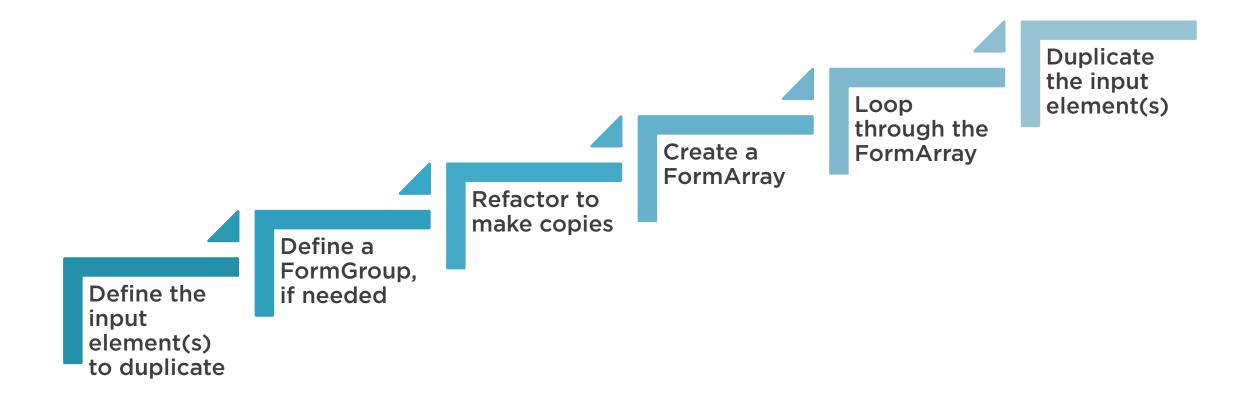
Match the value of the form model to the data model

Check touched, dirty, and valid state

Watch for changes and react

Perform cross field validation

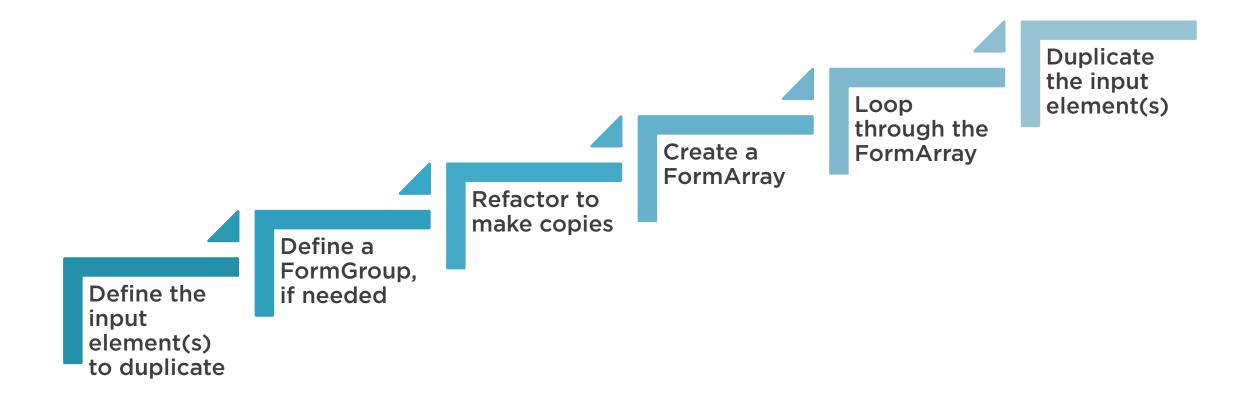
Dynamically duplicate the group





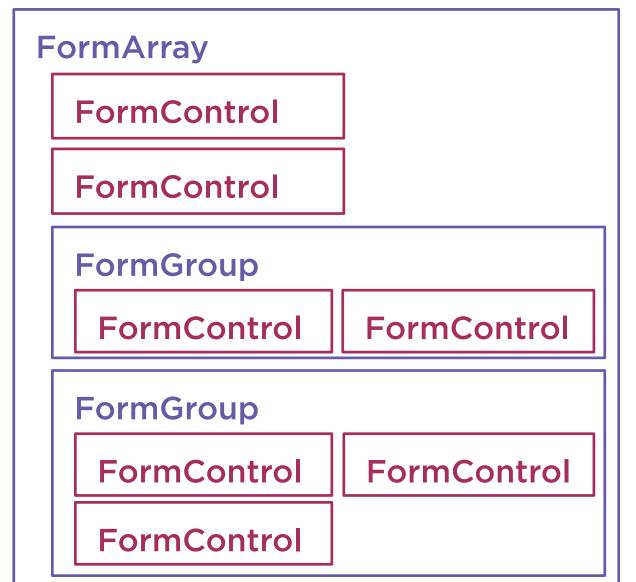
Creating a FormGroup in a Method

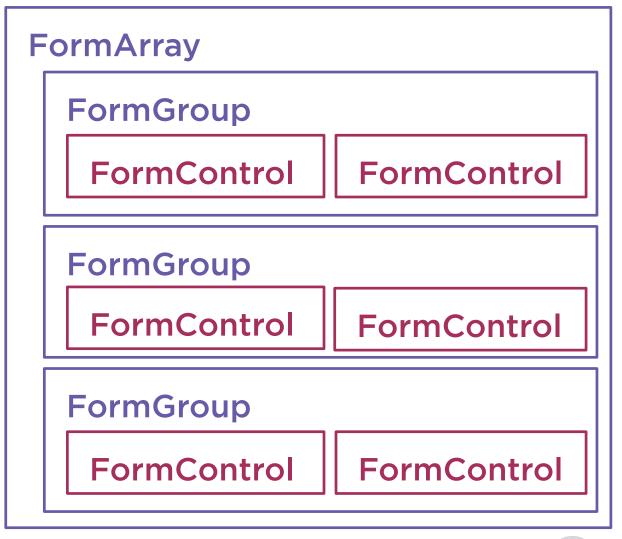
```
buildAddress(): FormGroup {
    return this.fb.group({
        addressType: 'home',
        street1: '',
        street2: '',
        city: '',
        state: '',
        zip: ''
    });
}
```





FormArray



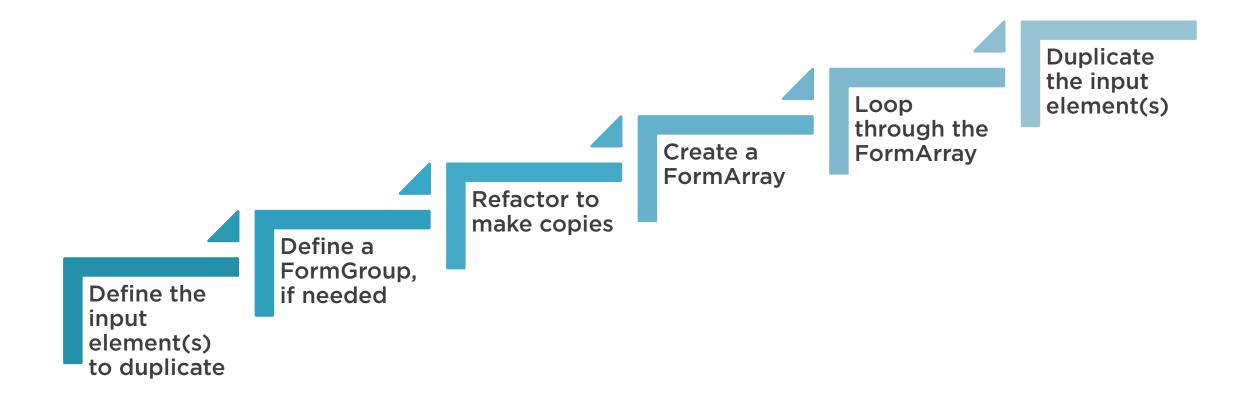


Creating a FormArray

```
this.myArray = new FormArray([...]);
```

```
this.myArray = this.fb.array([...]);
```



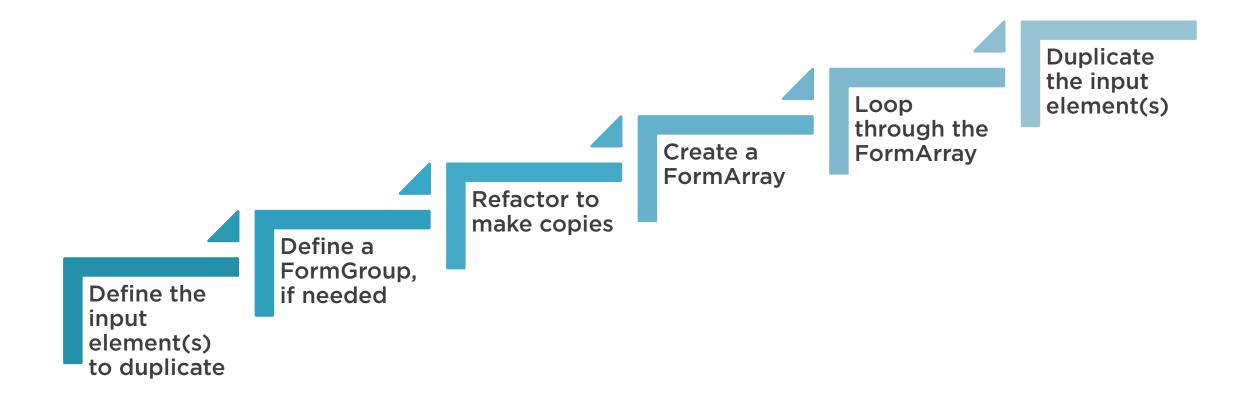




Looping Through a FormArray

```
<div formArrayName="addresses"
    *ngFor="let address of addresses.controls; let i=index">
    <div [formGroupName]="i">
        ...
        </div>
</div>
```





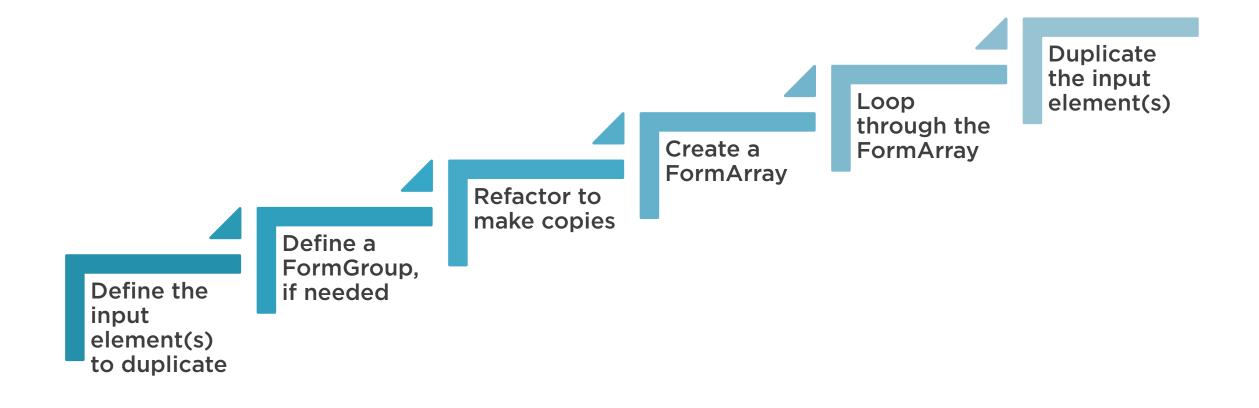


Duplicate the Input Elements

```
addAddress(): void {
  this.addresses.push(this.buildAddress());
}
```



Checklist: Dynamically Duplicate Input Elements





Summary

Steps

Perform Each Step

- FormArrays