

# Form status updates

- Reactive forms expose status updates as observables - <https://angular.io/api/forms/FormControl> :

```
valueChanges: Observable<any>  
statusChanges: Observable<FormControlStatus>
```

- Applicable to FormControl, FormGroups and FormArrays.
- Important Note: First emission happens on first update.
- Form updates on input by default, unless specified otherwise by - can be 'input'(default), 'blur' - after the user has left the form control, 'submit' - on submit.

```
name: new FormControl('', {  
  updateOn: 'blur',  
  validators: [Validators.required, Validators.pattern('Fuel')],  
}),
```

# Reactive Forms Task #2

- Create a new field called 'note' on the form.
- Add a maximum length validator to the note. (Maybe 20 characters? Your choice).
- Listen to the value changes of the expense note input and show a “n/(max) characters remaining” label of the note while the user is typing to make them aware about the length.
- Optional: make the characters remaining be visible before the user has started entering any information.