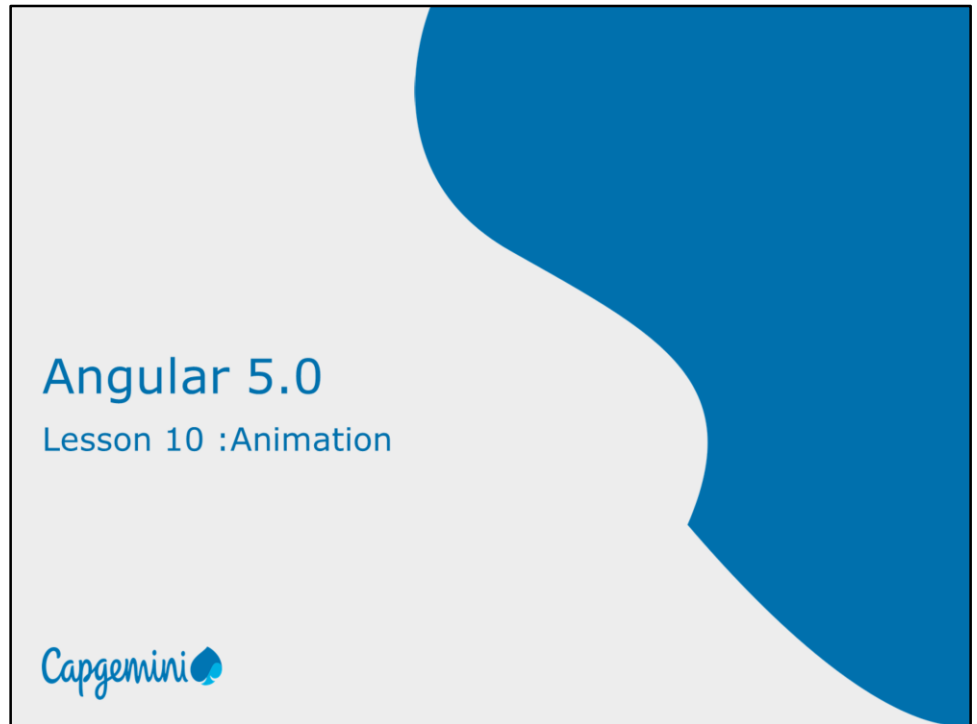


**Instructor Notes:**

Add instructor notes here.



**Instructor Notes:**

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## Lesson Objectives

➤ Angular5 Animation



**Instructor Notes:**

## Animation



- Motion is an important aspect in the design of modern web applications.
- Good user interfaces transition smoothly between states with engaging animations that call attention where it's needed.
- Well-designed animations can make a UI not only more fun but also easier to use.
- Angular's animation system lets you build animations that run with the same kind of native performance found in pure CSS animations.

**Instructor Notes:**

## Animation



➤ \$ npm install @angular/animations@latest --save

```
import { BrowserModule } from '@angular/platform-browser';
import { BrowserAnimationsModule } from
  '@angular/platform-browser/animations';

    @NgModule({
  imports: [ BrowserModule, BrowserAnimationsModule ],
    // ... more stuff ...
    })
  export class AppModule { }
```

**Instructor Notes:**

## Animation



```
import { BrowserAnimationsModule } from '@angular/platform-  
browser/animations';
```

```
export class Hero {  
  constructor(public name: string, public state = 'inactive') {  
  }  
  
  toggleState() {  
    this.state = this.state === 'active' ? 'inactive' : 'active';  
  }  
}
```

## Instructor Notes:

## Animation



```
animations: [  
  trigger('goals', [  
    transition('* => *', [  
      query(':enter', style({ opacity: 0 }), {optional: true}),  
      query(':enter', stagger('300ms', [  
        animate('.6s ease-in', keyframes([  
          style({opacity: 0, transform: 'translateY(-75%)', offset:  
            0}),  
          style({opacity: .5, transform: 'translateY(35px)', offset:  
            0.3}),  
          style({opacity: 1, transform: 'translateY(0)', offset:  
            1.0}),  
        ]))), {optional: true})  
      ])  
    ])  
  ]  
]
```

**Instructor Notes:**

Add instructor notes here.

## Demo

- DemoAnimation



**Instructor Notes:**

## Lab

- Lab 4.2





**Instructor Notes:**

Add instructor notes here.

## Summary

➤ Animation using Angular 5



Add the notes here.