

Taking an Angular App to Production



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Agenda

Linting

- VS Code
- Command line

Creating Builds

- Build flags & the AOT

Deploying

Optimistic module downloading



Linting



Linting

Finding the “lint” in your code.



What Is Linting Really?

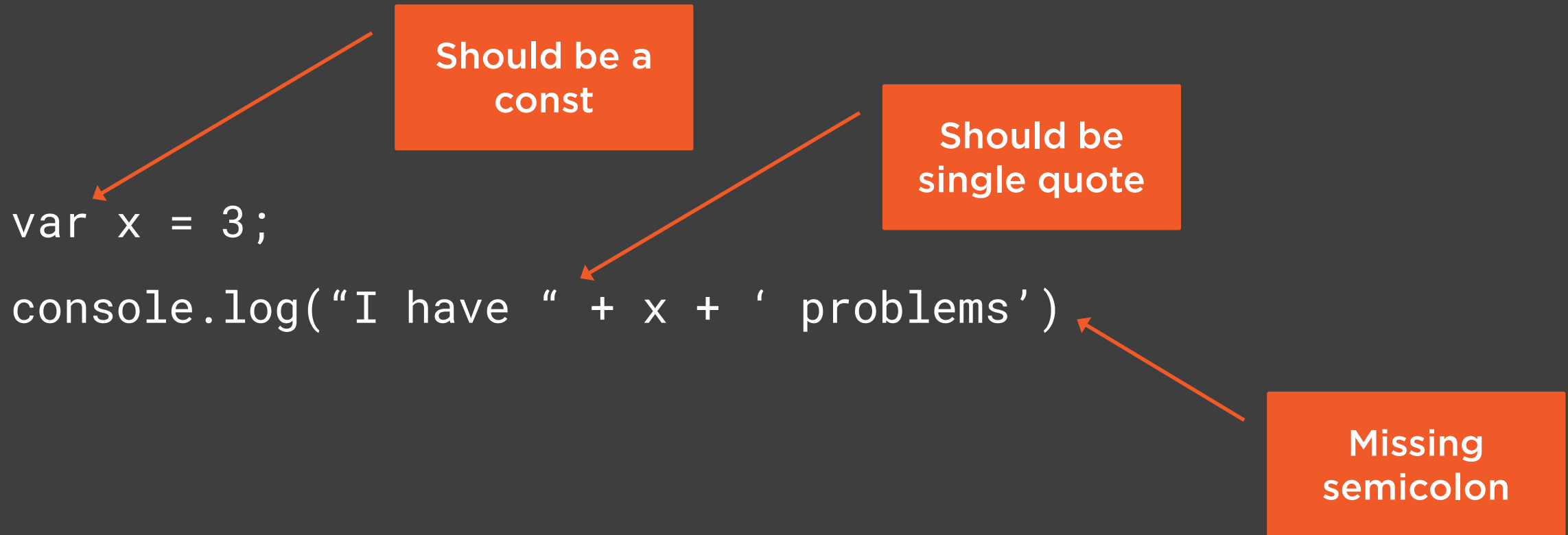
Pointing out and fixing potential problems

Mostly coding style changes

- Missing semicolons
- Double vs. single quotes
- Long lines
- Etc.



Linting in Action



Benefits of Linting

Consistency across your team

Catching potential errors

Automatic error fixes

CI or commit hooks



Other
Considerations

JavaScript vs. TypeScript
Prettier



Going to Production - Overview



Building an Angular Application

ng build



ng build
Command

Produces a deliverable code package

Production optimizations

- Development mode off
- Bundling
- Minification
- Tree shaking
- Dead code elimination
- Asset inlining
- Executes AOT



Minification

Source

```
export class orderService {  
  addOrder(order) {  
    ...  
  }  
  
  findOrder(id) {  
    ...  
  }  
}
```



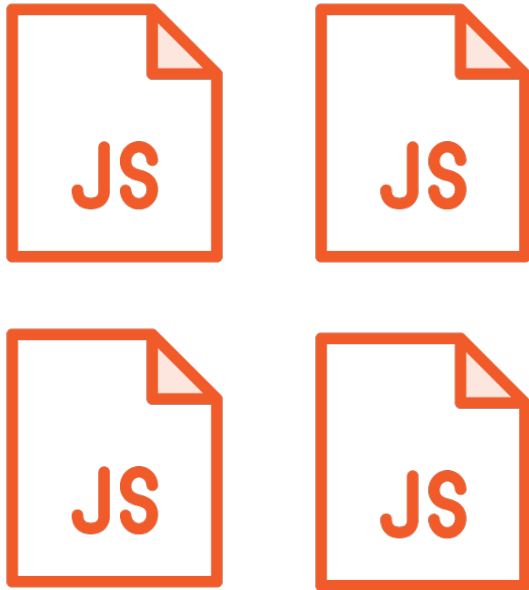
Service

```
export class orderService{add  
Order(order){...}findOrder(id){  
...}}
```



Bundling

Development



Production



Tree Shaking

Calling Code

```
...  
userService.getUsers()  
...
```



Service

```
export class UserService {  
  getUsers() {  
    ...  
  }  
  
  getUser(id) {  
    ...  
  }  
}
```



Angular's Ahead of Time Compiler



AOT Benefits

Faster rendering

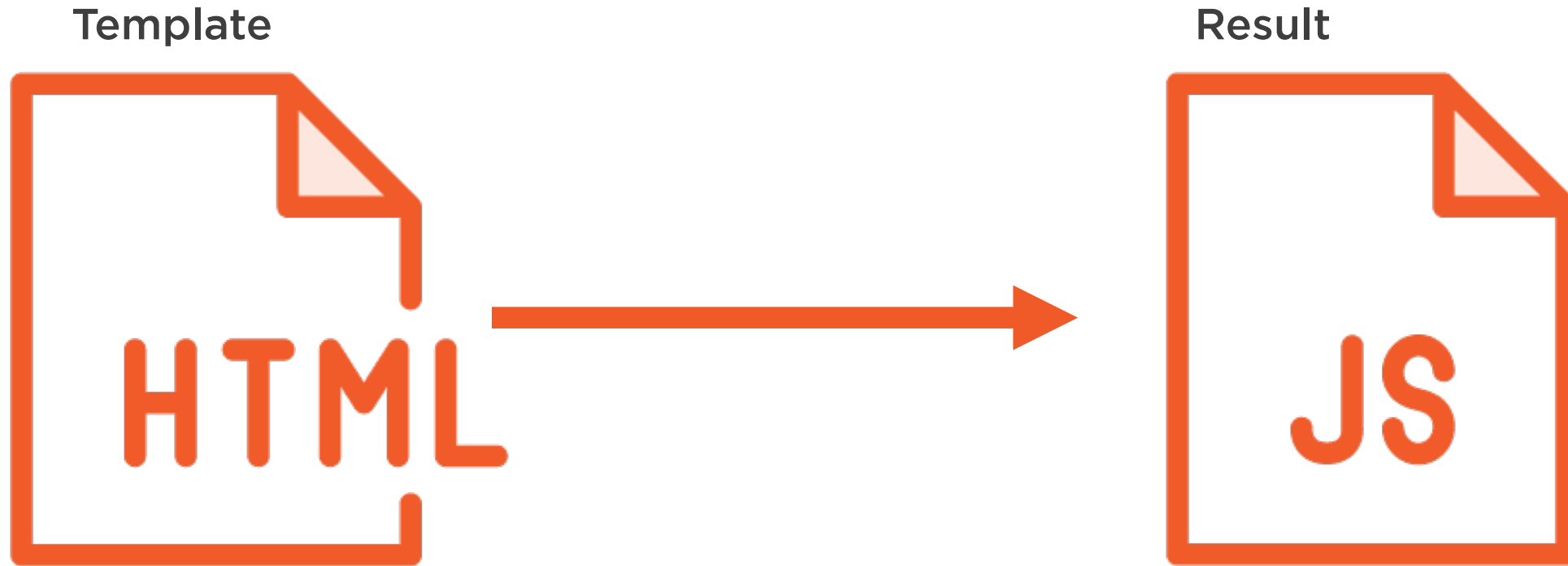
Smaller Angular framework download

Detect template errors

Better security



Compiling Templates



Simple Copy Deployment

Build Result



Target
Server



Summary



Linting vs Prettier

Deployment is simple

Optimistic bundle download



Thank You

