# Scouting App Training Team 294

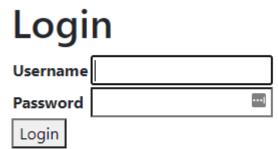
Introduction to Angular and Web Service Programming

Part 3: Scouting App Basics

# **Login Component**

#### Items for review

- Data binding (username, password)
- Event binding (click)
- Structural directives (if)
- login() webservice call



### Web Service Calls

#### App Service

- login HTTP Post
- loadMatches HTTP Get

Calls are asynchronous and return an Observable that you must subscribe to

```
this.appService.login(this.userLogin)
  .subscribe((data) => {
    if (data) {
        this.errorMessage = "Login success"
    } else {
        this.errorMessage = "Login failed"
    }
})
```

## Routing

#### app.module.ts

- New components need to be defined here
- Define routes
- Navigate using the router (see login page)
- Bootstraps AppComponent

#### app.component

- Main component
- Defines the nav bar and page layout

## **Match List Component**

#### Items for review

- Structural directives (for)
- Interpolation {{ m.teamId }}
- loadMatches webservices call
- sorting and comparators

#### OrcaTrain



Team	Match Number	High Made
294	1	14
294	1	10
294	2	9
294	2	11
294	3	11
294	5	12
294	12	14
294	20	12
294	30	5
294	39	13
294	56	6

## **Enhancements**

- 1. Enhance the Match List page to make it more complete
  - Add missing columns
  - Style using Bootstrap or custom CSS
- 2. Add the ability to represent the data as a graph
- 3. Add a Match Entry page that appears when you click on the match number

	Auto					Teleop			Endgame								
Match	Start	Cross	High	Mid	Low	Preloads	High	Mid	Low	Rot	Pos	Hang Type	Balance	Carry	Died	Driver	Penalties
Q5 🗸	99	<b>*</b>	1	2		3	2	10		×	×	HANG				3	
Q12 🗸	50	<b>✓</b>				3	1	13		×	×	HANG	PASSIVE			2	
Q20 🗸	85	<b>~</b>		1		3		12		×	×	PARK				3	
Q30 🗸	0	<b>~</b>	2	1				5		×	×	PARK				3	
Q39 🗸	49	<b>~</b>				3		13		×	×	HANG	PASSIVE			3	
Q56 🗸	0	<b>✓</b>		2		3		6		×	×	HANG				2	
Q61 🗸	15	<b>✓</b>		3		3		17		×	×	HANG	PASSIVE			3	
Q76 🗸	48	<b>~</b>		3		3		14		×	×	HANG				3	
Q87 🗸	0	<b>~</b>		3		3		10		×	×	HANG	PASSIVE			3	
Q87 🗶	0	<b>✓</b>		3		3		10		×	×	HANG	PASSIVE			3	
QF1-1 🗸	56	<b>✓</b>		3		3		14		×	×		PASSIVE			3	
QF1-2 🗸	51	<b>✓</b>		1		3		9		×	×	HANG				3	
SF1-1 ✔	49	<b>✓</b>		3		3		10		×	×	HANG	PASSIVE			3	
SF1-2 ✔	54	×				3		11		×	×	HANG	PASSIVE			3	
SF1-3 ✔	53	<b>✓</b>		3		3		11		×	×	HANG				3	