Assignment 2 (EPL2021)

Plugin + REST API Development (2020/21)

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When submitting your assignment electronically as a ZIP file, this document MUST be placed in a prominent place within the ZIP file. If this document is absent you will not get a grade for this assessment.

This list MUST be submitted with an *Assignment Cover Sheet*. You must only tick the boxes below if that functionality has been completed in your assignment submission.

The Chrome web browser will be used to view your work.

***Checklist submitted by Gerald Wogan (L00140867) on April 16th, 2021.***

**Part 1 - REST API Database Server**

**Routes [35 marks] [10%]**

A REST API server using Express receives these route requests, retrieves the data using SQL queries from the database and returns the data as the JSON data shown in demo video.

GET /teams [5]

GET /teams/ARS [5]

GET /teamstats [5]

GET /matches [5]

GET /seasons [5]

GET /summary [10]

**Part 2 – Angular Website**

**Header [15 marks] [4%] 50**

Show consistent header across all pages [5]

Header is an Angular component [5]

Header hyperlinks implemented as routes using RouterModule [5]

**Home [30 marks] [8%] 80**

This page content is an Angular component

Shows summary stats data using SVG [15]

All data fetched from REST API server using HTTP Service request [10]

Using Bootstrap [5]

**Teams [40 marks] [11%] 120**

This page content is an Angular component

Shows team data in table ordered by team name [10]

Shows team icon [3]

Shows team stadium location using Google Maps [5]

All data fetched from REST API server using HTTP Service request [10]

Use an interface for team data in service request and teams array [10]

Using Bootstrap [2]

**Team Stats [35 marks] [10%] 155**

This page content is an Angular component

Shows team stats data in table ordered by team name [10]

All data fetched from REST API server using HTTP Service request [5]

Showing SVG column chart with correct team win % data and axes labels [20]

**Team [33 marks] [9%] 188**

This page content is an Angular component

Correct team name and icon displayed [3]

Showing correct SVG box data [10]

Showing correct Attacking & Defensive Shooting Stats [10]

Showing correct SVG column team win% season stats and axes labels [10]

**Matches [50 marks] [14%] 238**

This page content is an Angular component

Shows match data in table ordered by date [10]

Season dropdown filtering shows matches for season selected [10]

Team dropdown filtering shows matches for team selected [10]

Combined Season and Team dropdown filtering works [15]

Season & Team dropdown data fetched from REST API server [5]

**Season [35 marks] [10%] 272**

This page content is an Angular component

Shows correct team season data in table ordered by season [20]

Team dropdown data fetched from REST API server using HTTP Service request [5]

Team dropdown filtering shows season data for team selected [10]

**Shots [50 marks] [14%] 322**

This page content is an Angular component

Shows correct shot data in table ordered by team [10]

Showing SVG scatter chart with correct Goals For & Against/Match data [20]

Showing SVG scatter chart with correct Shots For & Against/Match data [10]

Showing SVG scatter chart with correct Shots on Target For & Against/Match data [10]

**Team Stats Admin [5 marks] [1%] 327**

Shows team stats data in table ordered by team name [5]

**Team Stats Update [40 marks] [11%] 367**

Shows home & away goal data for team selected [5]

Home & away goal data in editable fields [5]

Update works [25]

Using Bootstrap [5]

***A note on plagiarism and cheating.***

*If any of the code submitted by you is deemed copied from or by someone else it will be formally reported to the Head of School of Science and a Disciplinary Committee will be convened to deal with this issue. You do not want that to happen!!  
Never copy code from someone else or another source. Never give your code to someone else. Keep your code safely in your own possession. Plagiarism and cheating are very serious academic offenses with serious consequences for your future academic studies and work opportunities. Under current guidelines all students involved in plagiarism or cheating must be reported to the Head of School where a Disciplinary Committee will deal with the issue.*