Web Development Application Coding Session

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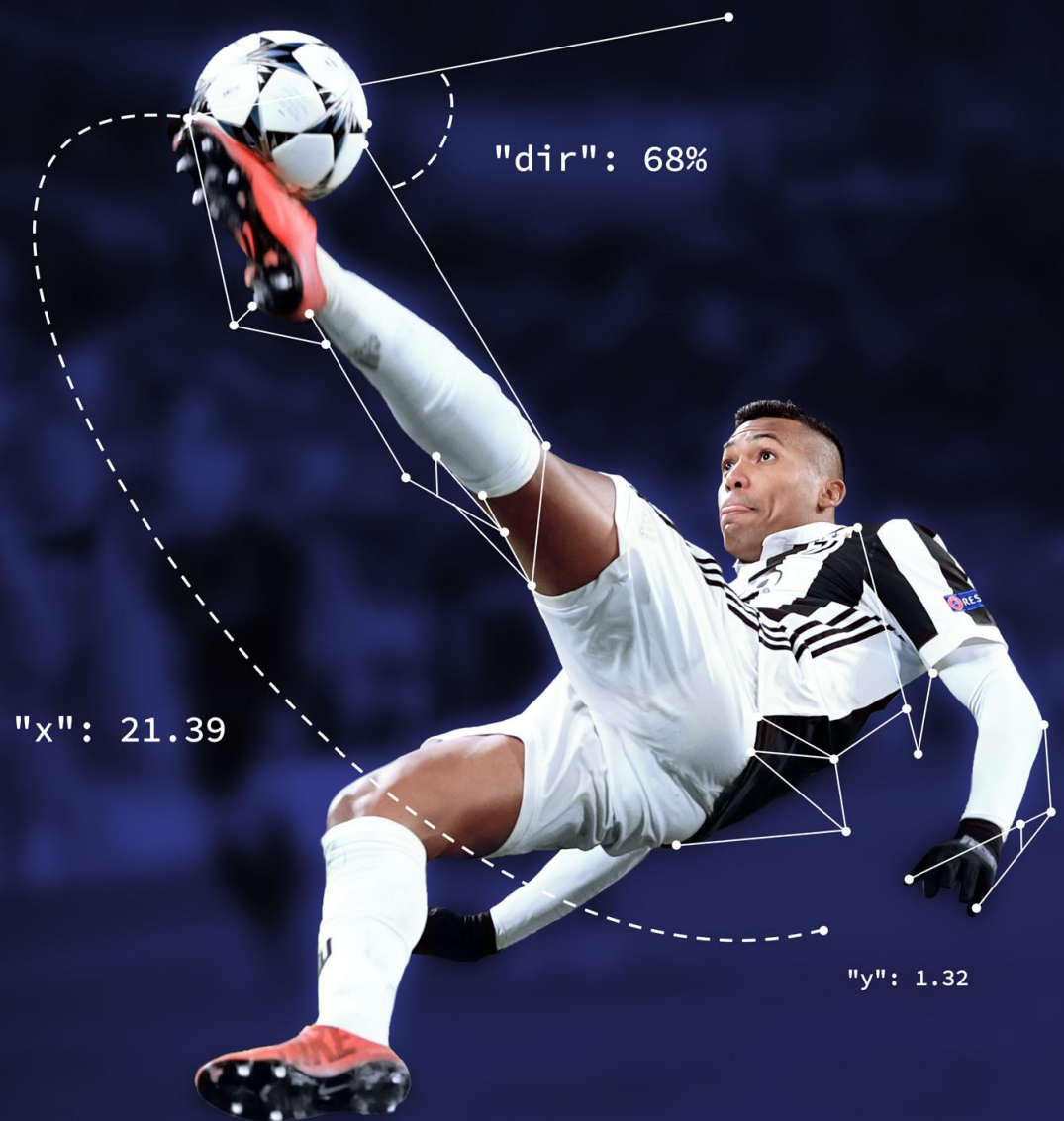
1. Coding Exercise

Goal is to implement a calendar for sport events. Events may be added to the calendar and it should be possible to categorize the events based on sports.

Examples:

- Sat., 18.07.2019, 18:30, Football, Salzburg – Sturm
- Sun., 23.10.2019, 09:45, Ice Hockey, KAC - Capitals

2. Task 1 - Modelling:

Start with identifying the database entities and then create a suitable database diagram (ERD). The ERD should cover all tables and their relations.

Furthermore the database should contain additional information, which may be valuable for Sport Calendar.

3. Task 2 – DB Structure/Data:

Create a database following the structure of your ERD. Add all necessary fields to the tables. Foreign keys should be named with a '_' as prefix (Example: _FOREIGNKEY).

4. Task 3 – HTML/PHP:

Create a HTML frontend to display the data in a user friendly way. Navigation should be indicated but no functionality is needed.

Then go on with the PHP part for dynamic display of data – avoid SQL queries within loops!

Required parts:

- Database connection
- SQL query
- Data output

Additional filters can be added to the calendar presentation.

We recommend hosting your code on **GitHub** as it allows us to see how you handle commits. Please send us the link to the repo you created after you have finished your solution (o.spann@sportradar.com).