DOI project

Team G9

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# Indholdsfortegnelse

Project

In this project our goal was to create a European Championship Cup website, which interacts with a database. We used to the "The small print"approach, where we started with the bank web-app and tried to understand the code. Then we modified the interface and the database, so it look like our project.

The reason why we used the "The small print"approach was because we had problems with the flask application and the database from the start and we had also a assignment from the another course, which caused that we did not have the time to make the website more advanced.

E/R model
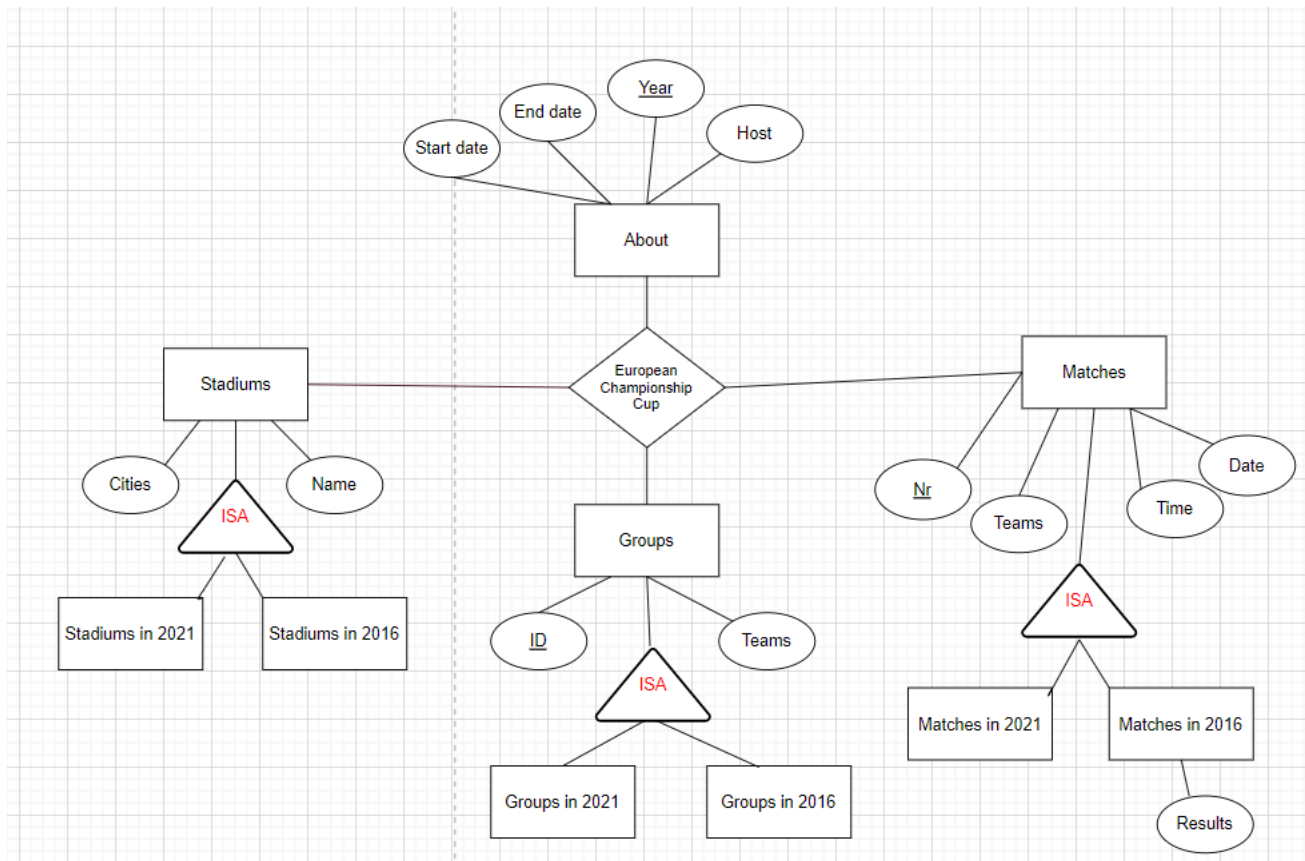
Discussion of modeling choices.

We've created a model with 10 entities; Stadiums, Stadiums in 2021, Stadiums in 2016, Groups, Groups in 2021, Groups in 2016, Matches, Matches in 2021, Matches in 2016, and About. Stadiums, Matches, Groups, and About are linked together by the quaternary-relationship European Championship Cup. We've all their attributes and their primary keys, as they are the most unique and easiest keys to identify each entity.

We've decided to do ISA-relations for Stadiums to Stadiums in 2021, and Stadiums in 2016, as well as for groups and matches with the corresponding 2021 and 2016 entities. The reason for using ISA-relations are that Stadiums inherits the entities Stadiums in 2021, and Stadiums in 2016, so if a change is made in either of the two, Stadiums will be updated as well. Each entity in the ER model is a page on our web-app.

Interaction with the database

If you want to interact with the database, you must go through some initial steps, which we have described in the README-file. First of all you must run the following command "pip install -r requirements.txt"to get all the requirements. Then you can set your database from Postgresql in the _ _init_ _.py file and in the login-folder in the python file routes.py, where you type the name of the database and the password. Afterwards you will run the schema.sql and schema_ins.sql-file in your database, to get all tables and data. It will now be possible to compile our web-app, by writing "python run.py"in your terminal.
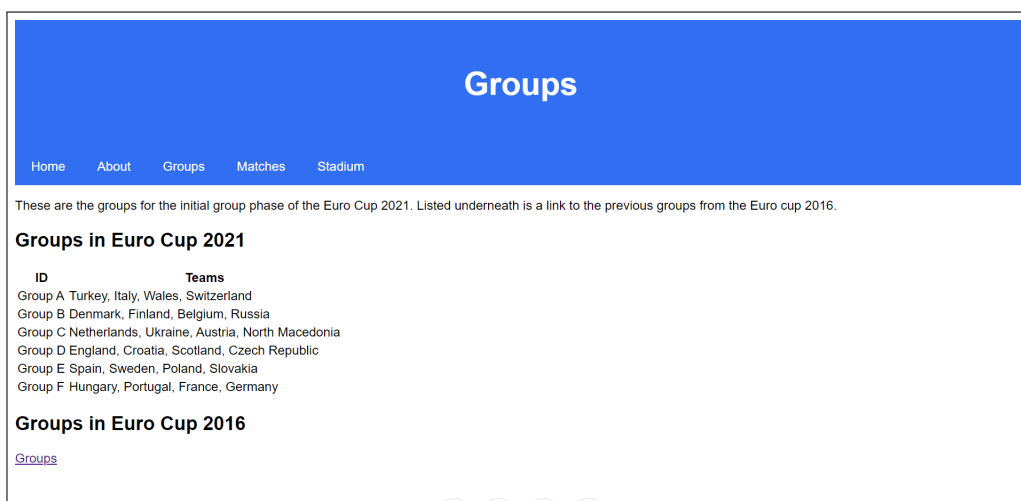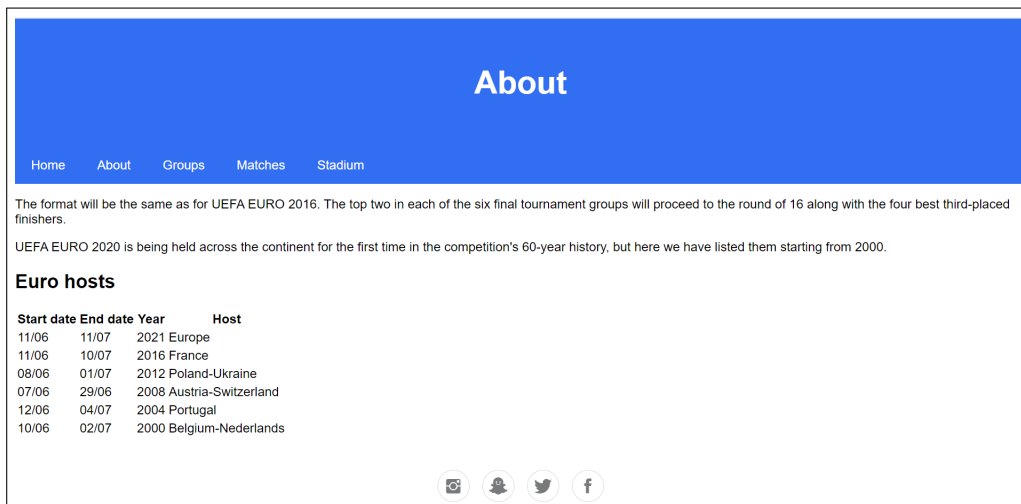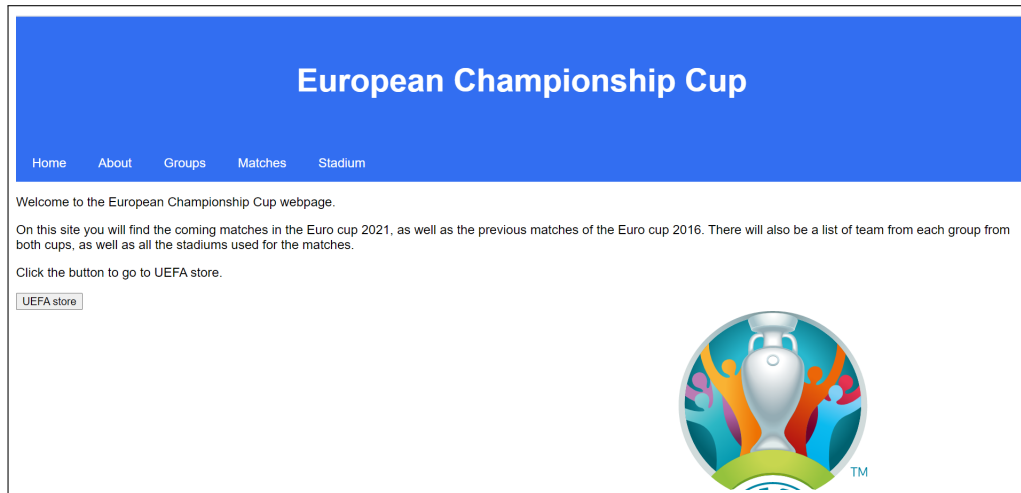
But if you would like to make a modification in the database, then you can use sql-commands in schema_drop.sql and in schema_ins.sql-file. If you want to modify the tables, you can start by deleting the table by "DROP TABLE IF EXISTS (name of table)"and then insert a new one by "CREATE TABLE IF NOT EXISTS (name of table)". If you want to modify the data, then you can delete them by "DELETE FROM matches"and then insert a new one by "INSERT INTO public.Matches(ID, Teams) VALUES".

Web-app

When loading the web-app for the first time, you will be met by a 'Home'-page. From here there is an interactive navigation-bar at the top of the page as well as a link to the official UEFA-store. If you press any of the options on the navigation-bar, you will be redirected to the other pages.

If the about page is chosen you will see a few details from the database about every European Championship since 2000. If the group page is chosen, a few details about every group from the 2021 Euro is displayed, a link is also on the page that will redirect you to the previous European Championship groups, from when it was in France in 2016. The same feature is used on the pages Matches and Stadiums, but with each of the respective data. We've included pictures of some of the pages in Appendix.

Appendix

European Championship Cup

Home   About   Groups   Matches   Stadium

Welcome to the European Championship Cup webpage.

On this site you will find the coming matches in the Euro cup 2021, as well as the previous matches of the Euro cup 2016. There will also be a list of team from each group from both cups, as well as all the stadiums used for the matches.

Click the button to go to UEFA store.

UEFA store

About

Home   About   Groups   Matches   Stadium

The format will be the same as for UEFA EURO 2016. The top two in each of the six final tournament groups will proceed to the round of 16 along with the four best third-placed finishers.

UEFA EURO 2020 is being held across the continent for the first time in the competition's 60-year history, but here we have listed them starting from 2000.

Euro hosts

Start date	End date	Year	Host
11/06	11/07	2021	Europe
11/06	10/07	2016	France
08/06	01/07	2012	Poland-Ukraine
07/06	29/06	2008	Austria-Switzerland
12/06	04/07	2004	Portugal
10/06	02/07	2000	Belgium-Nederlands

Groups

Home   About   Groups   Matches   Stadium

These are the groups for the initial group phase of the Euro Cup 2021. Listed underneath is a link to the previous groups from the Euro cup 2016.

Groups in Euro Cup 2021

ID	Teams
Group A	Turkey, Italy, Wales, Switzerland
Group B	Denmark, Finland, Belgium, Russia
Group C	Netherlands, Ukraine, Austria, North Macedonia
Group D	England, Croatia, Scotland, Czech Republic
Group E	Spain, Sweden, Poland, Slovakia
Group F	Hungary, Portugal, France, Germany

Groups in Euro Cup 2016

Groups

Matches

Home   About   Groups   Matches   Stadium

These are the matches for the initial group phase of the Euro Cup 2021. Listed underneath is a link to the previous matches from the Euro cup 2016 including the knockout matches.

Matches in Euro Cup 2021

Nr	Teams	Time	Date
1	Turkey - Italy	21:00	11/06
2	Wales - Switzerland	15:00	12/06
3	Denmark - Finland	18:00	12/06
4	Belgium - Russia	18:00	12/06
5	Netherlands - Ukraine	21:00	13/06
6	Austria - North Macedonia	18:00	13/06
7	England - Croatia	15:00	13/06
8	Scotland - Czech Republic	15:00	14/06
9	Spain - Sweden	21:00	14/06
10	Poland - Slovakia	18:00	14/06
11	Hungary - Portugal	18:00	15/06

Stadiums

Home   About   Groups   Matches   Stadium

Ready to kick off your UEFA EURO 2020 adventure in the cities?

Whether you're a ticket holder or just want to be part of the football madness, here is a list of the stadiums!

Stadiums in Euro Cup 2021

Stadium	City
Parken Stadium	Copenhagen
Krestovsky Stadium	Saint Petersburg
Arena Naţională	Bucharest
Johan Cruyff Arena	Amsterdam
Wembley Stadium	London
Hampden Park	Glasgow
La Cartuja	Seville
Puskás Aréna	Budapest
Allianz Arena	Munich
Stadio Olimpico	Rom
Olympic Stadium	Baku