

Java Enterprise Edition

Fall Semester 2020

Instructor: Zhuanyshev Ilyas

HOME TASK 3

Problem 1

Your home task is to develop an application for managing with football leagues, cities, and clubs. You will have at least 3 tables in your database.

leagues (

id - int (11) primary key, auto increment

name - varchar (255)

description - text

)

cities (

id - int (11) primary key, auto increment

name - varchar (255)

league_id - int (11) - foreign key, references to **leagues.id**

)

clubs (

id - int (11) primary key, auto increment

name - varchar (255)

description - text

founded_year - int (4)

city_id - int (11) - foreign key, references to **cities.id**

)

Java Entities of tables:

League.java

- Long id;
- String name;
- String description;

City.java

- Long id;
- String name;
- League league;

Club.java

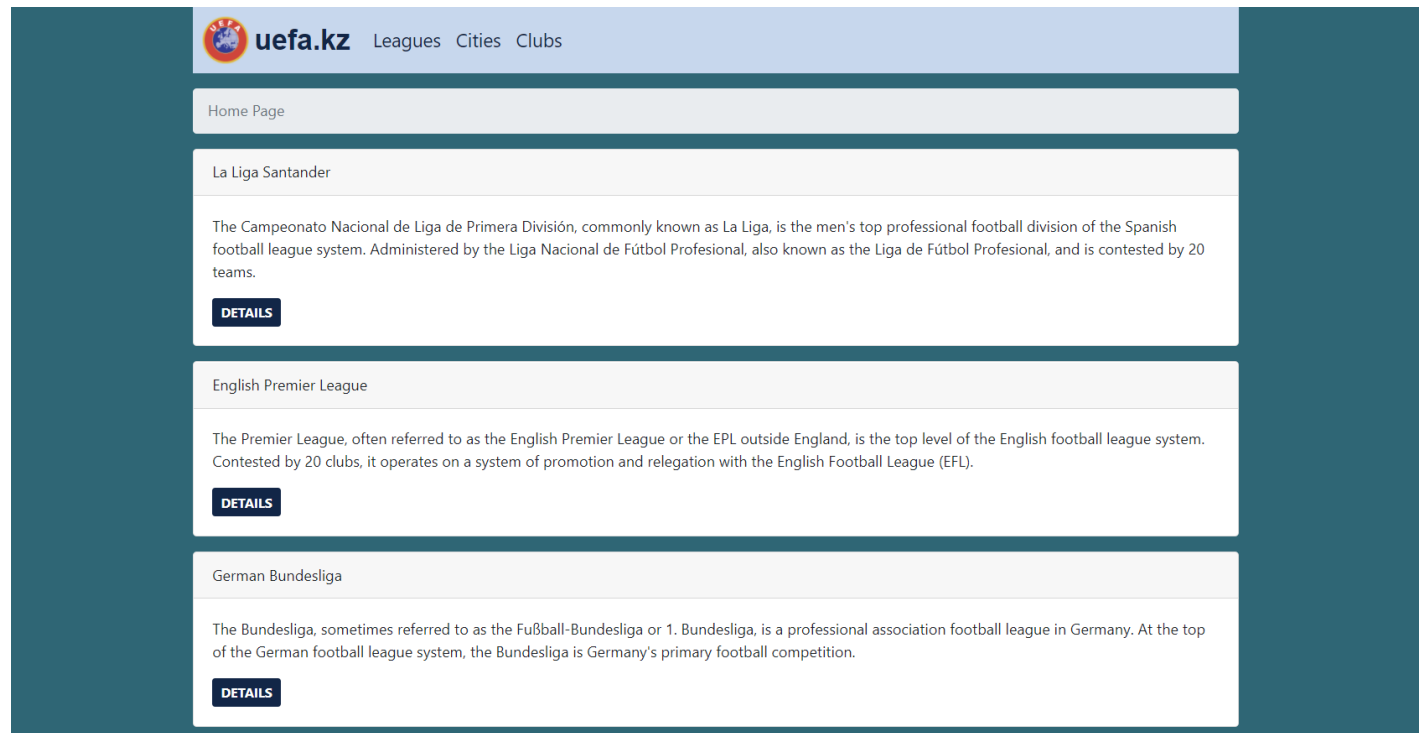
- Long id;
- String name;
- String description;
- int foundedYear;
- City city;

Create constructors, getters and setters for parameters.

Use JSP pages as a views. Use Bootstrap 4 Library for CSS and Design.

In main page, you will have a list of all leagues shown as in example:

Home Page



If you click to "DETAILS" button, you can see details of your league, containing cities.

Details Page



uefa.kz Leagues Cities Clubs

Home Page / La Liga Santander

La Liga Santander

CLUB	CITY	FOUNDED YEAR	DETAILS
Real Madrid CF	Madrid	1902	DETAILS
FC Barcelona	Barcelona	1899	DETAILS
Club Atletico de Madrid	Madrid	1903	DETAILS
FC Sevilla	Sevilla	1890	DETAILS
Club Athletic de Bilbao	Bilbao	1898	DETAILS
Real Madrid CF	Madrid	1902	DETAILS
Real Sociedad de Futbol	San Sebastian	1909	DETAILS

If you click to "DETAILS" button, you can see details of each club.

Club Details Page



uefa.kz Leagues Cities Clubs

Home Page / La Liga Santander / Real Madrid CF

Real Madrid CF

Real Madrid CF - Madrid

Founded on 6 March 1902 as Madrid Football Club, the club has traditionally worn a white home kit since inception. The word real is Spanish for "royal" and was bestowed to the club by King Alfonso XIII in 1920 together with the royal crown in the emblem. The team has played its home matches in the 81,044-capacity Santiago Bernabéu Stadium in downtown Madrid since 1947. Unlike most European sporting entities, Real Madrid's members (socios) have owned and operated the club throughout its history.

Founded on : 1902

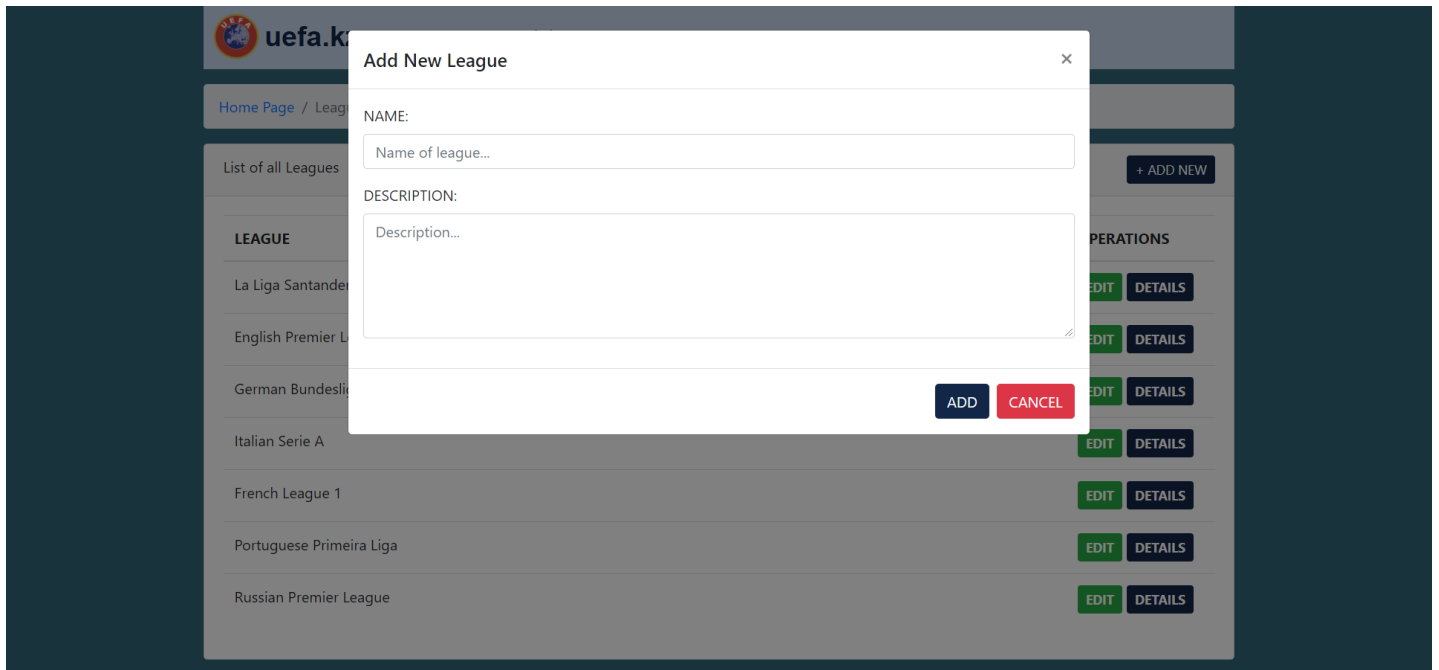
As you see from design, you can not edit data from details pages (club, city and league). For managing with data, you will use top navigation links.

If you click to **Leagues** link, you will see a list of all leagues, which you can manage:

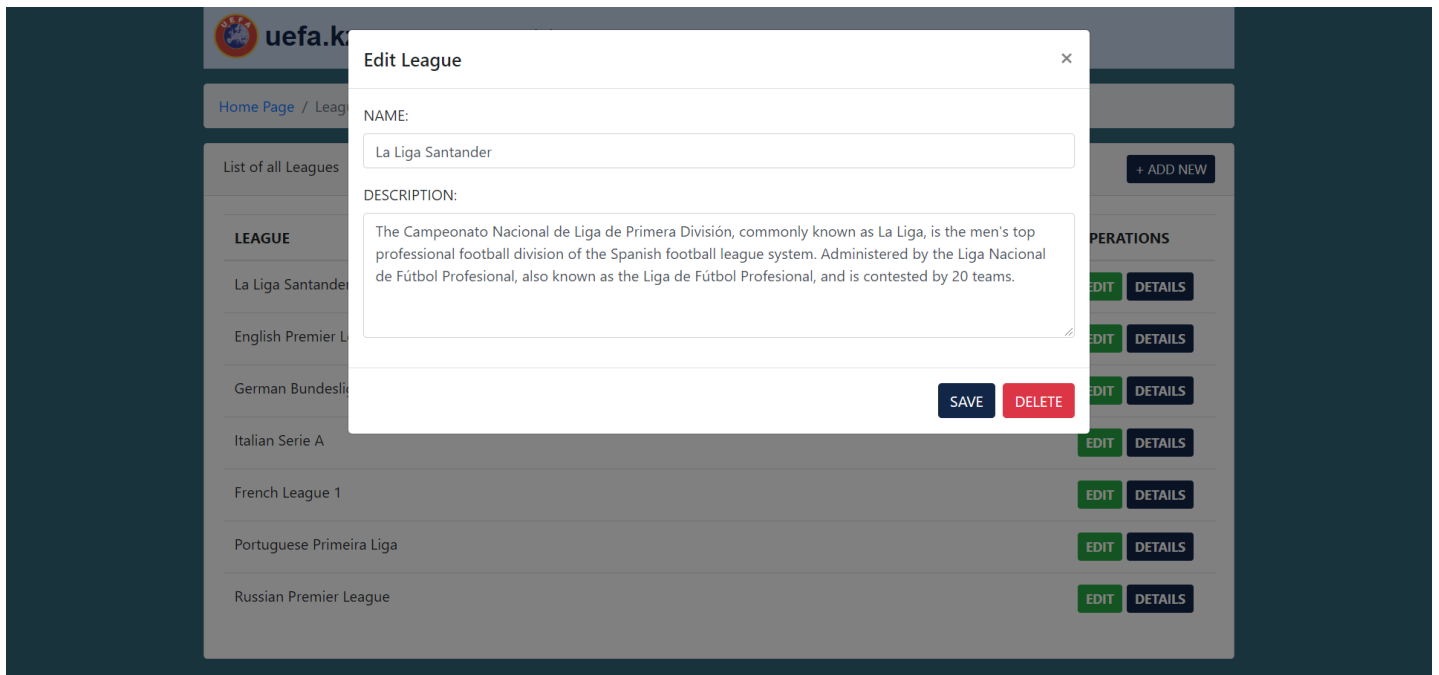
Leagues Page



Leagues Pages -> Add League Modal

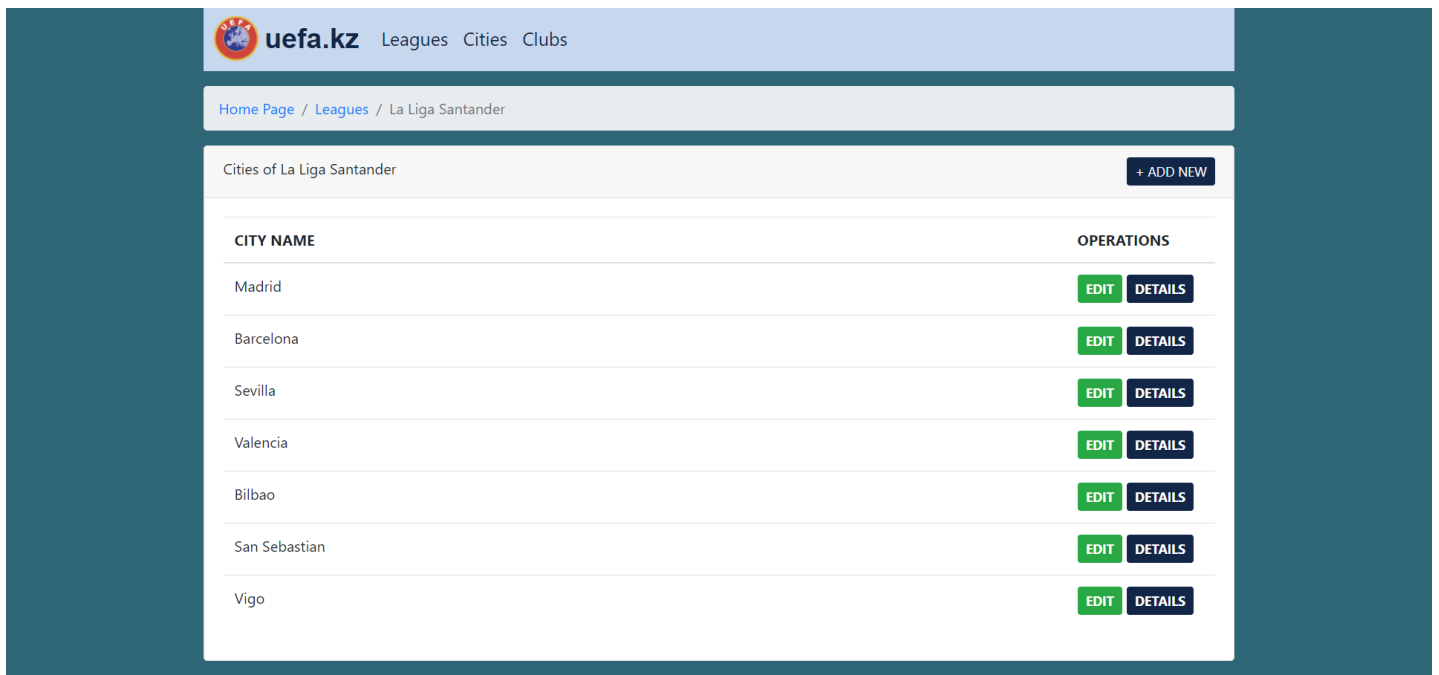


Leagues Pages -> Edit League Modal

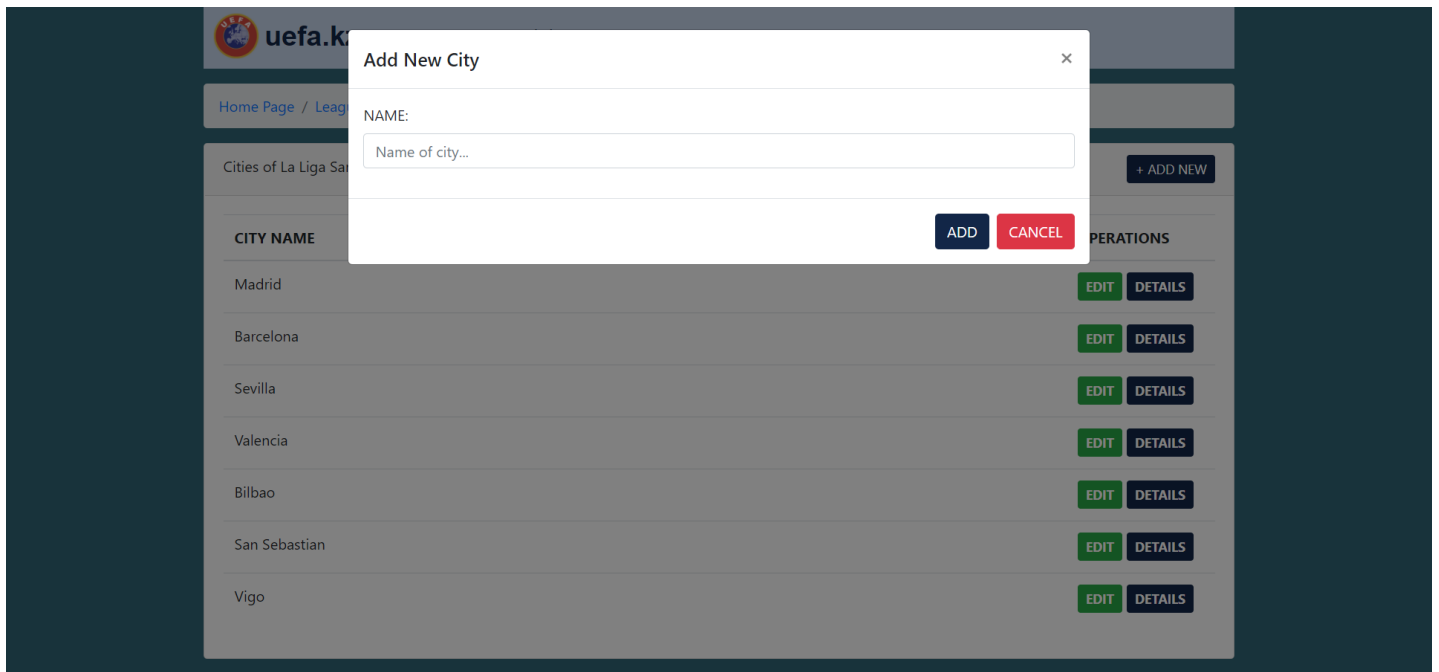


If you click "DETAILS" button in **Leagues Page**, you will see a list of all cities of chosen league:

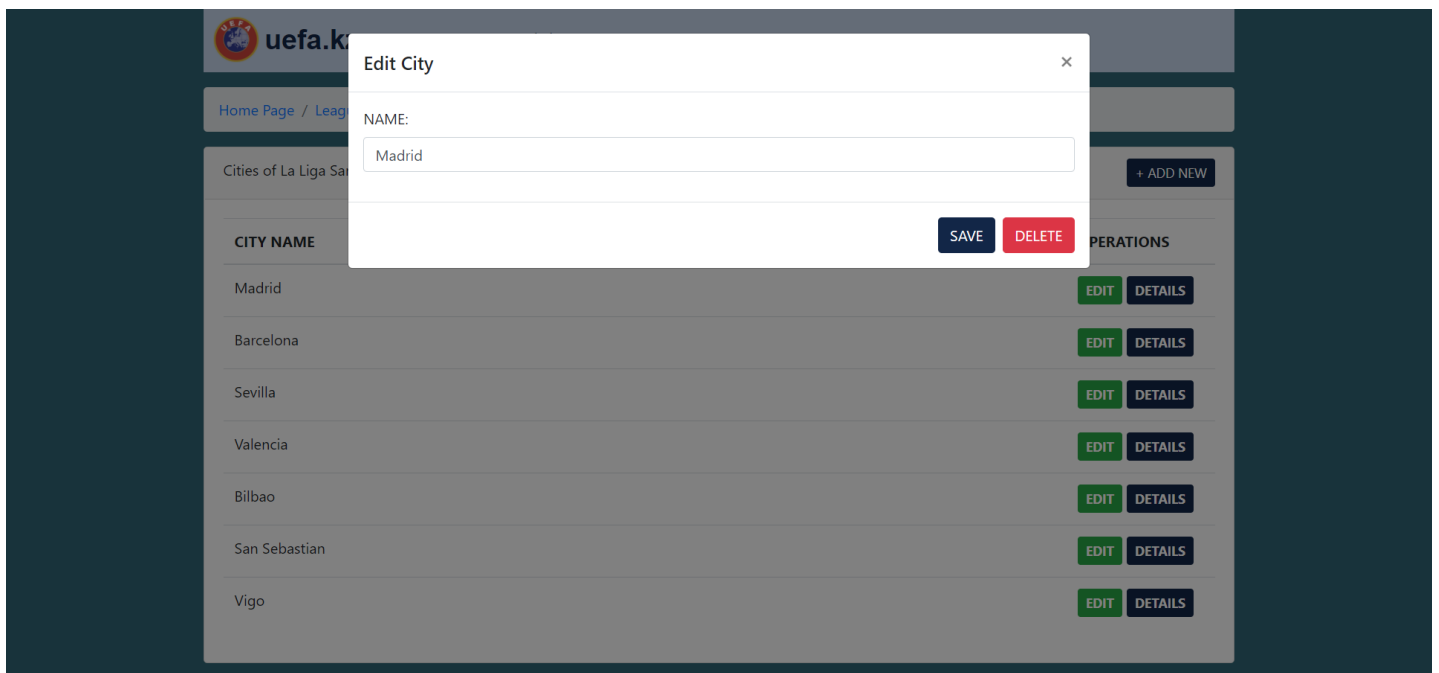
League Details Page (Cities List)



League Details Page (Cities List) -> Add New City Modal

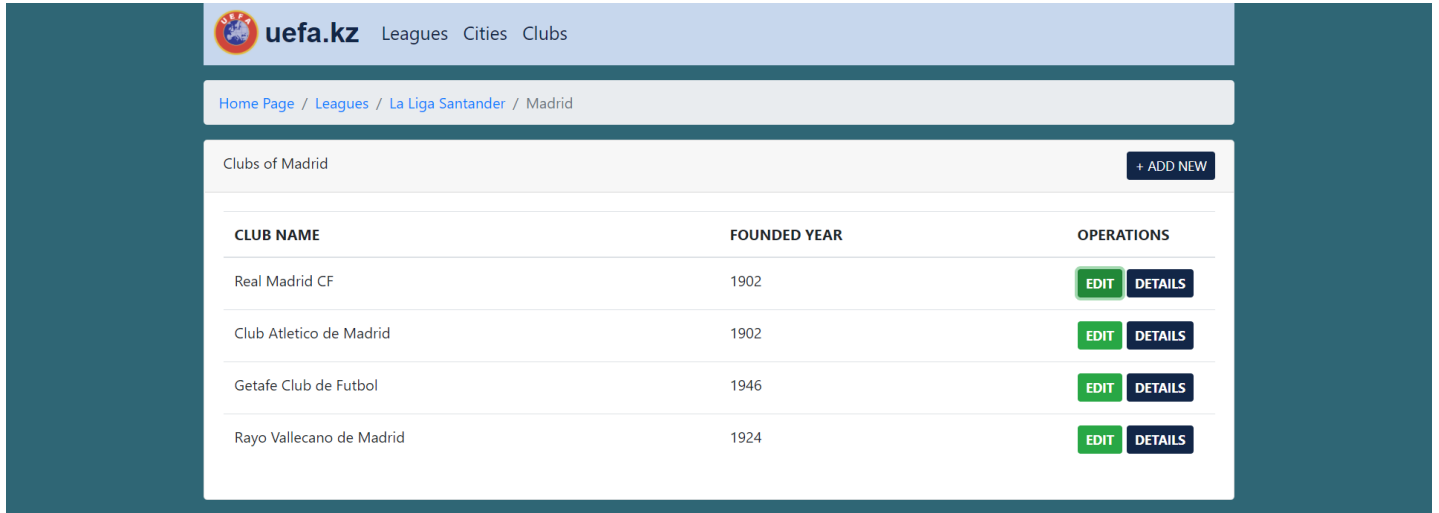


League Details Page (Cities List) -> Edit City Modal



If you click "DETAILS" button in **League Details Page (Cities List)**, you will see a list of all clubs of chosen city:

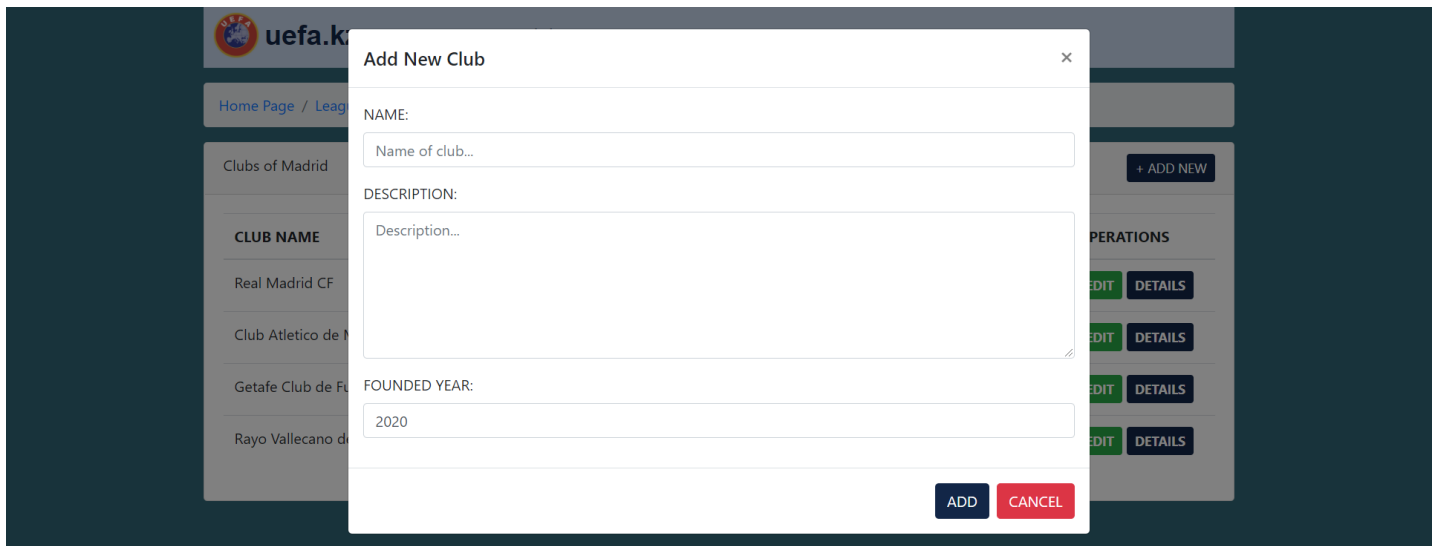
Cities Details Page (Club List)



The screenshot shows the 'Clubs of Madrid' page on the uefa.kz website. The page has a header with the uefa.kz logo and navigation links for Leagues, Cities, and Clubs. Below the header is a breadcrumb trail: Home Page / Leagues / La Liga Santander / Madrid. The main content area is titled 'Clubs of Madrid' and includes a '+ ADD NEW' button. A table lists the clubs of Madrid with columns for CLUB NAME, FOUNDED YEAR, and OPERATIONS. The table contains four rows of data.

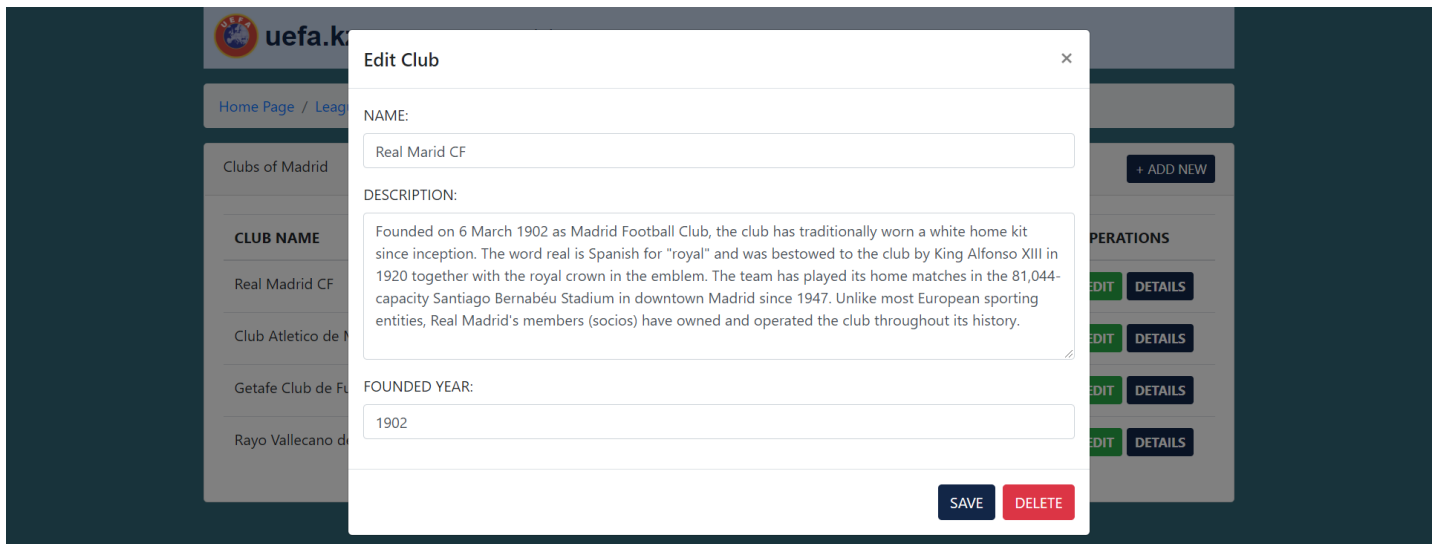
CLUB NAME	FOUNDED YEAR	OPERATIONS
Real Madrid CF	1902	EDIT DETAILS
Club Atletico de Madrid	1902	EDIT DETAILS
Getafe Club de Futbol	1946	EDIT DETAILS
Rayo Vallecano de Madrid	1924	EDIT DETAILS

Cities Details Page (Club List) -> Add Club Modal



The screenshot shows the 'Add New Club' modal form. The form has a title bar with a close button (X). It contains three input fields: 'NAME:' with a placeholder 'Name of club...', 'DESCRIPTION:' with a placeholder 'Description...', and 'FOUNDED YEAR:' with a placeholder '2020'. At the bottom right of the modal are two buttons: 'ADD' and 'CANCEL'.

Cities Details Page (Club List) -> Edit Club Modal



The screenshot shows the 'Edit Club' modal form. The form has a title bar with a close button (X). It contains three input fields: 'NAME:' with the value 'Real Marid CF', 'DESCRIPTION:' with a detailed text about Real Madrid's history, and 'FOUNDED YEAR:' with the value '1902'. At the bottom right of the modal are two buttons: 'SAVE' and 'DELETE'.