

Создание простейшего веб приложения с использованием php + mysql

В phpMyAdmin создаем базу данных sport
Создаем таблицы:

Таблица countries

country_id	country_name
1	Россия
2	Англия
3	Испания
4	Италия
5	Германия
6	Франция
8	Португалия

Таблица players

player_id	team_id	country_id	player_name
1.	1	1	Игорь Акинфеев
2.	2	2	Криштиану Роналду
3.	6	4	Марко Вератти

Таблица teams

team_id	country_id	team_name
1	1	ЦСКА
2	2	Манчестер Юнайтед
4	4	Лацио
5	5	Бавария
6	6	ПСЖ
8	4	Ювентус

В папке domains создаем папку sport

В папке sport создаем файлы index.php, db.php, teams.php, players.php, countries.php, api.php, edit.php, save.php

Код файла index.php

```
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Главная</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
</head>
<body>

<header>
  <nav class="navbar navbar-default" role="navigation">
    <div class="container-fluid">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle" data-toggle="collapse" data-
target=".navbar-ex1-collapse">
          <span class="sr-only">Toggle navigation</span>
```

```

        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
    </button>
    <a class="navbar-brand" href="#">Sport CRM</a>
</div>
<div class="collapse navbar-collapse navbar-ex1-collapse">
    <ul class="nav navbar-nav">
        <li><a href="index.php">Главная</a></li>
        <li><a href="players.php">Игроки</a></li>
        <li><a href="teams.php">Команды</a></li>
        <li><a href="countries.php">Страны</a></li>
    </ul>
</div>
</div>
</nav>
</header>

<div id="content">
</div>

<footer>
</footer>
</body>
</html>

```

Код файла db.php

```

<?php
$user = "root";
$password = "root";// либо пустой, зависит от параметра входа в phpMyAdmin
try {
$db = new PDO("mysql:host=localhost;dbname=sport", $user, $password);
} catch (Exception $e) {
echo $e->getMessage();
}

```

Код файла api.php

```

<?php

function getAllPlayers($db) {
    $sql = "SELECT * FROM players
        LEFT JOIN teams ON players.team_id = teams.team_id
        LEFT JOIN countries ON players.country_id = countries.country_id;
    ";
    $result = array();

    $stmt = $db->prepare($sql);

    $stmt->execute();

    while($row = $stmt->fetch(PDO::FETCH_ASSOC)) {
        $result[$row['player_id']] = $row;
    }

    return $result;
}

```

```

}

function getAllTeams($db) {
    $sql = "SELECT * FROM teams
            INNER JOIN countries ON teams.country_id = countries.country_id;
    ";
    $result = array();

    $stmt = $db->prepare($sql);

    $stmt->execute();

    while($row = $stmt->fetch(PDO::FETCH_ASSOC)) {
        $result[$row['team_id']] = $row;
    }

    return $result;
}

```

```

function getPlayerById($db, $id) {
    $sql = "SELECT * FROM players
            WHERE player_id = :player_id
            ";

    $stmt = $db->prepare($sql);
    $stmt->bindValue('player_id', $id, PDO::PARAM_INT);
    $stmt->execute();
    $row = $stmt->fetch(PDO::FETCH_ASSOC);
    return $row;
}

```

```

function savePlayer($db, $name, $id) {
    $sql = " UPDATE players
            SET player_name = :player_name
            WHERE player_id = :player_id
            ";

    $stmt = $db->prepare($sql);
    $stmt->bindValue(':player_name', $name, PDO::PARAM_STR);
    $stmt->bindValue(':player_id', $id, PDO::PARAM_INT);

    $stmt->execute();
}

```

```

function getAllCountries($db) {
    $sql = "SELECT * FROM countries";
    $res = array();

    $stmt = $db->prepare($sql);

    $stmt->execute();

    while($row = $stmt->fetch(PDO::FETCH_ASSOC)) {

```

```

        $res[$row['country_id']] = $row;
    }

    return $res;
}

function addPlayer($db, $playerName, $countryId) {
    $sql = "INSERT INTO players(player_name, country_id)
        VALUES(:player_name, :country_id)
    ";

    $stmt = $db->prepare($sql);
    $stmt->bindValue(':player_name', $playerName, PDO::PARAM_STR);
    $stmt->bindValue(':country_id', $countryId, PDO::PARAM_INT);

    $stmt->execute();
}

function deletePlayer($db, $id) {
    $sql = "DELETE FROM players WHERE player_id = :player_id";

    $stmt = $db->prepare($sql);
    $stmt->bindValue(":player_id", $id, PDO::PARAM_INT);

    $stmt->execute();
}

?>

```

Код файла players.php

```

<html lang="en">
<head>
<meta charset="UTF-8">
<title>Игроки</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
</head>
<body>

<header>
    <nav class="navbar navbar-default" role="navigation">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".navbar-ex1-collapse">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
                <a class="navbar-brand" href="#">Sport CRM</a>
            </div>

```

```
<div class="collapse navbar-collapse navbar-ex1-collapse">
    <ul class="nav navbar-nav">
        <li><a href="index.php">Главная</a></li>
        <li><a href="players.php">Игроки</a></li>
        <li><a href="teams.php">Команды</a></li>
        <li><a href="countries.php">Страны</a></li>
    </ul>
</div>
</div>
</nav>
</header>

<div id="content">
    <div class="container-fluid">
        <?php include 'db.php'; ?>
        <?php include 'api.php'; ?>
        <?php
            $players = getAllPlayers($db);
            ?>
            <table class="table table-bordered">
                <tr>
                    <th>Игрок</th>
                    <th>Команда</th>
                    <th>Страна</th>
                    <th>Удалить</th>
                </tr>
                <?php foreach ($players as $player) { ?>
                    <tr>
                        <td><a href="edit.php?player_id=<?php echo
$player['player_id'];?>"><?php echo $player['player_name']; ?></a></td>
                        <td><?php echo $player['team_name']; ?></td>
                        <td><?php echo $player['country_name']; ?></td>
                        <td><a class="btn btn-danger" href="delete.php?player_id=<?php
echo $player['player_id'];?>">Удалить</a></td>
                    </tr>
                <?php } ?>
            </table>

            <button id="addButton" class="btn btn-default">Добавить игрока</button>

            <form action="" method="POST" role="form" style="display: none; margin-top:
20px;">

            <div class="form-group">
                <label for="">Введите имя</label>
                <input type="text" class="form-control" id="name" name="name"
placeholder="Введите имя">
            </div>

            <div class="form-group">
                <select name="country" class="form-control" id="country">
                <?php
                    $countries = getAllCountries($db);
```

```

        foreach ($countries as $key => $value) {
            echo "<option
value=\".$value['country_id'].\">\".$value['country_name'].\"</option>\";
        }
    ?>
</select>
</div>

    <button type="submit" class="btn btn-default">Добавить</button>
</form>
</div>

<?php
    if(isset($_POST['name']) && $_POST['name'] != '') {
        $name = $_POST['name'];
        $countryId = $_POST['country'];
        addPlayer($db, $name, $countryId);
    }

    ?>

</div>

<footer>

</footer>

<script>
    $("#addButton").click(function(){
        $("form").slideDown();
    });
</script>
</body>
</html>

```

Код файла teams.php

```

<html lang="en">
<head>
<meta charset="UTF-8">
<title>Команды</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
</head>
<body>

<header>
    <nav class="navbar navbar-default" role="navigation">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".navbar-ex1-collapse">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>

```

```

        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
    </button>
    <a class="navbar-brand" href="#">Sport CRM</a>
</div>

<div class="collapse navbar-collapse navbar-ex1-collapse">
    <ul class="nav navbar-nav">
        <li><a href="index.php">Главная</a></li>
        <li><a href="players.php">Игроки</a></li>
        <li><a href="teams.php">Команды</a></li>
        <li><a href="countries.php">Страны</a></li>
    </ul>
</div>
</div>
</nav>
</header>

<div id="content">
    <div class="container-fluid">
        <?php include 'db.php'; ?>
        <?php include 'api.php'; ?>
        <?php
            $teams = getAllTeams($db);
            ?>
            <table class="table table-bordered">
                <tr>
                    <th>Команда</th>
                    <th>Страна</th>
                </tr>
                <?php foreach ($teams as $team) { ?>
                    <tr>
                        <td><?php echo $team['team_name']; ?></td>
                        <td><?php echo $team['country_name']; ?></td>
                    </tr>
                <?php } ?>
            </table>
        </div>
    </div>

    <footer>

    </footer>
</body>
</html>

```

Код файла edit.php

```

<html lang="en">
<head>
<meta charset="UTF-8">
<title>Игроки</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>

```

```

</head>
<body>

<header>
    <nav class="navbar navbar-default">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
                <a class="navbar-brand" href="#">Sport CRM</a>
            </div>

            <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
                <ul class="nav navbar-nav">
                    <li><a href="/">Главная</a></li>
                    <li><a href="players.php">Игроки</a></li>
                    <li><a href="teams.php">Команды</a></li>
                </ul>
            </div>
        </div>
    </nav>
</header>

    <div class="container-fluid">
        <?php include 'db.php'; ?>
        <?php include 'api.php'; ?>
        <?php
            $id = $_GET['player_id'];
            if($id) {
                $player = getPlayerById($db, $id);
            }
            else {
                echo '<div class="alert alert-danger" role="alert">
                    <span class="glyphicon glyphicon-exclamation-sign" aria-
hidden="true"></span>
                    <span class="sr-only">Error:</span>
                    Игрок не найден
                </div>';
            }
        ?>
        <form action="save.php" method="post">
            <input type="hidden" name="id" value="<?php echo $player['player_id'];
?>">

            <div class="form-group">
                <label for="name">Игрок</label>
                <input type="text" class="form-control" id="name" name="name"
value="<?php echo $player['player_name']; ?>">
            </div>
            <button type="submit" class="btn btn-default">Сохранить</button>

```



```

        </form>
    </div>

    <footer>

    </footer>

</body>
</html>

```

Код файла save.php

```

<html lang="en">
<head>
<meta charset="UTF-8">
<title>Игроки</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
</head>
<body>

<header>

    <nav class="navbar navbar-default">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
                <a class="navbar-brand" href="#">Sport CRM</a>
            </div>

            <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
                <ul class="nav navbar-nav">
                    <li><a href="/">Главная</a></li>
                    <li><a href="players.php">Игроки</a></li>
                    <li><a href="teams.php">Команды</a></li>
                </ul>
            </div>
        </div>
    </nav>
</header>

    <div class="container-fluid">
        <?php include 'db.php'; ?>
        <?php include 'api.php'; ?>
        <?php

            if(!empty($_POST['name']) && !empty($_POST['id'])) {
                $name = $_POST['name'];
                $id = $_POST['id'];
                savePlayer($db, $name, $id);
            }
        </?php>
    </div>

```

```

    }
    else {
        echo '<div class="alert alert-danger" role="alert">
            <span class="glyphicon glyphicon-exclamation-sign" aria-
hidden="true"></span>

            <span class="sr-only">Error:</span>
            Ошибка сохранения
            </div>';
    }

?>

</div>

<footer>

</footer>

</body>
</html>

```

Код файла delete.php

```

<html lang="en">
<head>
<meta charset="UTF-8">
<title>Игроки</title>
<link href="/css/bootstrap.min.css" rel="stylesheet">
<script src="js/jquery-3.1.1.min.js"></script>
<script src="/js/bootstrap.min.js"></script>
</head>
<body>

<header>
    <nav class="navbar navbar-default" role="navigation">
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle" data-toggle="collapse"
data-target=".navbar-ex1-collapse">
                    <span class="sr-only">Toggle navigation</span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                    <span class="icon-bar"></span>
                </button>
                <a class="navbar-brand" href="#">Sport CRM</a>
            </div>

            <div class="collapse navbar-collapse navbar-ex1-collapse">
                <ul class="nav navbar-nav">
                    <li><a href="index.php">Главная</a></li>
                    <li><a href="players.php">Игроки</a></li>
                    <li><a href="teams.php">Команды</a></li>
                    <li><a href="countries.php">Страны</a></li>
                </ul>
            </div>
        </div>
    </nav>

```

```
</header>

<div id="content">
  <div class="container-fluid">
    <?php include 'db.php'; ?>
    <?php include 'api.php'; ?>
    <?php
      $id = $_GET['player_id'];
      if($id) {
        deletePlayer($db, $id);
      } else {
        echo "<h1>Error</h1>";
        exit();
      }
    ?>
  </div>
</div>

<footer>

</footer>
</body>
</html>
```