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Федеральное государственное бюджетное образовательное  
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имени Н.Э. Баумана  
(национальный исследовательский университет)»  
(МГТУ им. Н.Э. Баумана)**

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**ФАКУЛЬТЕТ**

**«Радиотехнический»**

**КАФЕДРА**

**ИУ-5 «Системы обработки информации и управления»**

**Отчет по лабораторной работе № 7 по курсу**

**Разработка интернет-приложений**

**Тема работы: "Создание HTML-сайта  
с использованием фреймворка Bootstrap."**

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Дата

выполнения: «24» декабря 2020 г.

Подпись: \_\_\_\_\_

Проверил: Гапанюк Ю. Е.

Дата

проверки: «24» декабря 2020 г.

Подпись: \_\_\_\_\_

Москва, 2020 г.

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**Цель лабораторной работы:** изучение фреймворка Bootstrap.

## Описание задания:

Макет сайта должен включать следующие элементы:

1. Таблицы.
2. Элементы HTML-форм.
3. Панель навигации (в верхней части страницы).
4. Выпадающие списки кнопок (могут быть использованы в панели навигации).
5. Индикаторы прогресса.

## Ход работы:

**Текст style.css:**

```
main > .container {  
  padding: 50px 0 0;  
}
```

```
.title {  
  color: black;  
  font-size: 30px;  
  font-weight: 700;  
}
```

```
.center {  
  font-size: 25px;  
  font-weight: bold;  
  margin: 45px 0px;  
}
```

```
.side {  
  font-size: 25px;  
  font-weight: bold;  
  margin: 45px 0px;  
}
```

```
.TextForm{  
  height: 300px;  
}
```

```
.AnswerForm{  
  width: 75%;  
  height: 50px;  
  padding-bottom: 15px;  
}
```

```
.TagsAsk {  
  padding-top: 15px;  
}
```

```
.list {  
  width: 100%;  
  padding-left: 20px;  
}
```

```
.list-item {  
  font-size: 14px;  
  font-weight: normal;  
  list-style-type: none;  
}
```

```
    margin: 10px;
}
```

```
.popular1 {
    font-size: 14px;
    font-weight: normal;
    margin: 5px;
}
```

```
.popular2 {
    font-size: 18px;
    font-weight: 500;
    color: green;
}
```

```
.popular3 {
    font-size: 20px;
    font-weight: 600;
    color: red;
}
```

```
.popular4 {
    font-size: 20px;
    font-weight: 400;
    color: orange;
}
```

```
.question-preview {
    border: 2px solid black;
    margin-top: 10px;
}
```

```
.text {
    font-size: 20px;
    font-weight: 300;
}
```

```
.navbar {
    position: fixed;
    width: 100%;
    background-color: #c4c6fe;
    margin-left: 0px;
    z-index: 1000;
    border: 2px solid black;
}
```

```
.search {
    display: flex;
    margin: auto;
}
```

```
.main-avatar {
    position: absolute;
    display: flex;
    left: 100%;
    transform: translate(-100%, 0);
    max-width: 60px;
    border-radius: 100%;
}
```

```
.avatar {
    padding-top: 10px;
    max-width: 100px;
}
```

```
.avatar-settings {  
    max-width: 100px;  
    padding-bottom: 10px;  
}
```

```
.likes {  
    padding-top: 10px;  
    padding-bottom: 10px;  
    padding-left: 30px;  
    max-width: 100px;  
    max-height: 50px;  
}
```

```
.avatar-and-likes {  
    padding-left: 30px;  
}
```

```
.question-bottom {  
    padding-left: 150px;  
    padding-bottom: 20px;  
}
```

```
.answer-bottom {  
    padding-left: 200px;  
    padding-bottom: 20px;  
}
```

```
.check-bottom {  
    padding-left: 170px;  
}
```

```
.search-field {  
    border-radius: 10%;  
}
```

```
.create-account-href {  
    padding-top: 30px;  
    padding-left: 160px;  
}
```

### Текст index.html:

```
<!DOCTYPE html>  
<html lang="ru">  
    <head>  
        <meta charset="utf-8" />  
        <link rel="stylesheet" type="text/css" href="../static/css/bootstrap.min.css">  
        <title>AskMe</title>  
        <link rel="stylesheet" type="text/css" href="../static/css/style.css">  
    </head>  
    <body>  
        <script type="text/javascript" src="../static/js/bootstrap.js"></script>  
        <div class="row navbar">  
            <div class="col-3">  
                <a class="navbar-brand, title" href="index.html">AskTechnoPark</a>  
            </div>  
            <div class="col-6">  
                <form class="search">  
                    <input class="form-control mr-sm-2 search-field" type="text" placeholder="Search"  
aria-label="Search">
```

```

        <button class="btn btn-success my-2 my-sm-0" type="submit">ASK!</button>
    </form>
</div>
<div class="col-3 info">
    <div class="row">
        <div class="col-3">
            
        </div>
        <div class="col-9">
            <div class="row">
                <div class="col-6">
                    Dr. Pepper
                </div>
            </div>
        </div>
        <div class="row">
            <div class="col-3"><a href="settings.html">Settings</a></div>
            <div class="col-4"><a href="#">Log out</a></div>
        </div>
    </div>
</div>
</div>
</div>
</div>

```

```

<main role="main" class="flex-shrink-0">
    <div class="container">
        <div class="row">
            <div class="col-9 center">
                <a class="navbar-brand, title">New Questions</a>
                <a class="navbar-brand" href="#">Hot Questions</a>
                <div class="question-preview">
                    <div class="row">
                        <div class="col-2 avatar-and-likes">
                            
                        </div>
                        <div class="col-6">
                            <a href = "question.html" class = "navbar-brand, title">How to build a moon
park?</a>
                        </div>
                    </div>
                    <div class="row">
                        <div class="col-2 avatar-and-likes">
                            <div class="list-group like-button">
                                <a href="#" class="list-group-item list-group-item-action text-center
likes">▲</a>
                                <div class="list-group-item text-center text-truncate likes">10</div>
                                <a href="#" class="list-group-item list-group-item-action text-center
likes">▼</a>
                            </div>
                        </div>
                        <div class="col-6">
                            <p class = "text">Guys, i have trouble with a moon park. Can't find th black-
jack.</p>
                        </div>
                    </div>
                </div>
            </div>
            <div class="row">
                <div class="col-2 answer-bottom">
                    <a href="#" class = "text">Answers</a>
                </div>
                <div class="col-7 answer-bottom">
                    <p class = "text">Tags: </p>
                    <a href="#" class = "text">Black-jack</a>
                    <a href="#" class = "text">Bender</a>
                </div>
            </div>
        </div>
    </div>

```

```
</div>
</div>
</div>
```

```
<div class="question-preview">
  <div class="row">
    <div class="col-2 avatar-and-likes">
      
    </div>
    <div class="col-6">
      <a href = "question.html" class = "navbar-brand, title">How to build a moon
park? </a>
    </div>
  </div>
  <div class="row">
    <div class="col-2 avatar-and-likes">
      <div class="list-group like-button">
        <a href="#" class="list-group-item list-group-item-action text-center
likes">▲</a>
        <div class="list-group-item text-center text-truncate likes">10</div>
        <a href="#" class="list-group-item list-group-item-action text-center
likes">▼</a>
      </div>
    </div>
    <div class="col-6">
      <p class = "text">Guys, i have trouble with a moon park. Can't find th black-
jack.</p>
    </div>
  </div>
  <div class="row">
    <div class="col-2 answer-bottom">
      <a href="#" class = "text">Answers</a>
    </div>
    <div class="col-7 answer-bottom">
      <p class = "text">Tags: </p>
      <a href="#" class = "text">Black-jack</a>
      <a href="#" class = "text">Bender</a>
    </div>
  </div>
</div>
```

```
<div class="question-preview">
  <div class="row">
    <div class="col-2 avatar-and-likes">
      
    </div>
    <div class="col-6">
      <a href = "question.html" class = "navbar-brand, title">How to build a moon
park? </a>
    </div>
  </div>
  <div class="row">
    <div class="col-2 avatar-and-likes">
      <div class="list-group like-button">
        <a href="#" class="list-group-item list-group-item-action text-center
likes">▲</a>
        <div class="list-group-item text-center text-truncate likes">10</div>
        <a href="#" class="list-group-item list-group-item-action text-center
likes">▼</a>
      </div>
    </div>
    <div class="col-6">
```

```

        <p class = "text">Guys, i have trouble with a moon park. Can't find th black-
jack.</p>
    </div>
</div>
<div class="row">
    <div class="col-2 answer-bottom">
        <a href="#" class = "text">Answers</a>
    </div>
    <div class="col-7 answer-bottom">
        <p class = "text">Tags: </p>
        <a href="#" class = "text">Black-jack</a>
        <a href="#" class = "text">Bender</a>
    </div>
</div>
</div>

```

```

</div>
<div class="col-3 side">
    <div class="row side-menu-title">
        <div class="col-12"> Popular Tags
        <div>
            <span class="popular1">perl</span>
            <span class="popular3">python</span>
            <span class="popular1">TechnoPark</span>
            <span class="popular3">MySQL</span>
            <span class="popular2">django</span>
            <span class="popular1">Mail.ru</span>
            <span class="popular1">Voloshin</span>
            <span class="popular4">FireFox</span>
        </div>
    </div>
</div>
<div class="row side-menu-title">
    <div class="col-12"><a href="best.html"> Best Members </a></div>
    <ul class="list">
        <li class="list-item"><a href="profile.html">Mr. Freeman</a></li>
        <li class="list-item"><a href="profile.html">Dr. House</a></li>
        <li class="list-item"><a href="profile.html">Bender</a></li>
        <li class="list-item"><a href="profile.html">Queen Victoria</a></li>
        <li class="list-item"><a href="profile.html">V. Pupkin</a></li>
    </ul>
</div>
<div class="row side-menu-title">
    <div class="col-12"><a href="donation.html"> Donate to us </a></div>
</div>
</div>
</div>

```

```

<nav aria-label="Page navigation example">
<ul class="pagination">
    <li class="page-item"><a class="page-link" href="#">1</a></li>
    <li class="page-item"><a class="page-link" href="#">2</a></li>
    <li class="page-item"><a class="page-link" href="#">3</a></li>
    <li class="page-item">
        <a class="page-link" href="#" aria-label="Next">
            <span aria-hidden="true">&raquo;</span></a>
    </li>
</ul>
</nav>

```



```
</div>
```

```
</main>
```

```
<script src="../../static/js/jquery.slim.min.js"></script>
```

```
<script src="../../static/js/popper.min.js"></script>
```

```
<script src="../../static/js/bootstrap.min.js"></script>
```

```
</body>
```

```
</html>
```

### Текст best.html:

```
<!DOCTYPE html>
```

```
<html lang="ru">
```

```
<head>
```

```
<meta charset="utf-8" />
```

```
<link rel="stylesheet" type="text/css" href="../../static/css/bootstrap.min.css">
```

```
<title>AskMe</title>
```

```
<link rel="stylesheet" type="text/css" href="../../static/css/style.css">
```

```
</head>
```

```
<body>
```

```
<script type="text/javascript" src="../../static/js/bootstrap.js"></script>
```

```
<div class="row navbar">
```

```
<div class="col-3">
```

```
<a class="navbar-brand, title" href="index.html">AskTechnoPark</a>
```

```
</div>
```

```
<div class="col-6">
```

```
<form class="search">
```

```
<input class="form-control mr-sm-2 search-field" type="text" placeholder="Search"
```

```
aria-label="Search">
```

```
<button class="btn btn-success my-2 my-sm-0" type="submit">ASK!</button>
```

```
</form>
```

```
</div>
```

```
<div class="col-3 info">
```

```
<div class="row">
```

```
<div class="col-3">
```

```

```

```
</div>
```

```
<div class="col-9">
```

```
<div class="row">
```

```
<div class="col-6">
```

```
Dr. Pepper
```

```
</div>
```

```
</div>
```

```
<div class="row">
```

```
<div class="col-3"><a href="settings.html">Settings</a></div>
```

```
<div class="col-4"><a href="#">Log out</a></div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<main role="main" class="flex-shrink-0">
```

```
<div class="container">
```

```
<div class="row">
```

```
<div class="col-9 center">
```

```
<table border="1" cellpadding="3" cellspacing="3">
```

```
<tr align="center">
```

```
<th>№</th>
```

```
<th>Работа</th>
```

```
<th>Тема</th>
```

```
</tr>
```

```
<tr align="center">
```

```
<td>1</td>
```

```
<td><A href="profile.html" target="_blank">Mr.
```

```
Freeman</A></td>
```

```
<td>101 балл</td>
```

```
</tr>
```

```
<tr align="center">
```

```
<td>2</td>
```

```
<td><A href="profile.html" target="_blank">Dr.
```

```
House</A></td>
```

```
<td>100 баллов</td>
```

```
</tr>
```

```
<tr align="center">
```

```
<td>3</td>
```

```
<td><A href="profile.html" target="_blank">Bender</A></td>
```

```
<td>77 баллов</td>
```

```
</tr>
```

```
<tr align="center">
```

```
<td>4</td>
```

```
<td><A href="profile.html" target="_blank">Queen
```

```
Victoria</A></td>
```

```
<td>50 баллов</td>
```

```
</tr>
```

```
<tr align="center">
```

```
<td>5</td>
```

```
<td><A href="profile.html" target="_blank">V. Pupkin</A></td>
```

```
<td>43 балла</td>
```

```
</tr>
```

```
</table>
```

```
</div>
```

```
<div class="col-3 side">
```

```
<div class="row side-menu-title">
```

```
<div class="col-12"> Popular Tags
```

```
<div>
```

```
<span class="popular1">perl</span>
```

```
<span class="popular3">python</span>
```

```
<span class="popular1">TechnoPark</span>
```

```
<span class="popular3">MySQL</span>
```

```
<span class="popular2">django</span>
```

```
<span class="popular1">Mail.ru</span>
```

```
<span class="popular1">Voloshin</span>
```

```
<span class="popular4">FireFox</span>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</main>
```

```
<script src="../static/js/jquery.slim.min.js"></script>
```

```
<script src="../static/js/popper.min.js"></script>
```

```
<script src="../static/css/bootstrap.min.js"></script>
```

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

### Текст profile.html:

```
<!DOCTYPE html>
<html lang="ru">
  <head>
    <meta charset="utf-8" />
    <link rel="stylesheet" type="text/css" href="../static/css/bootstrap.min.css">
    <title>AskMe</title>
    <link rel="stylesheet" type="text/css" href="../static/css/style.css">
  </head>
  <body>
    <script type="text/javascript" src="../static/js/bootstrap.js"></script>
    <div class="row navbar">
      <div class="col-3">
        <a class="navbar-brand, title" href="index.html">AskTechnoPark</a>
      </div>
      <div class="col-6">
        <form class="search">
          <input class="form-control mr-sm-2 search-field" type="text" placeholder="Search"
aria-label="Search">
          <button class="btn btn-success my-2 my-sm-0" type="submit">ASK!</button>
        </form>
      </div>
      <div class="col-3 info">
        <div class="row">
          <div class="col-3">
            
          </div>
          <div class="col-9">
            <div class="row">
              <div class="col-6">
                Dr. Pepper
              </div>
            </div>
            <div class="row">
              <div class="col-3"><a href="settings.html">Settings</a></div>
              <div class="col-4"><a href="#">Log out</a></div>
            </div>
          </div>
        </div>
      </div>
    </div>

    <main role="main" class="flex-shrink-0">
      <div class="container">
        <div class="row">
          <div class="col-9 center">
            <iframe src="frame1.html"></iframe>
            <iframe src="frame2.html"></iframe>
          </div>
          <div class="col-3 side">
            <div class="row side-menu-title">
              <div class="col-12"> Popular Tags
              <div>
                <span class="popular1">perl</span>
                <span class="popular3">python</span>
                <span class="popular1">TechnoPark</span>
                <span class="popular3">MySQL</span>
              </div>
            </div>
          </div>
        </div>
      </div>
    </main>
  </body>
</html>
```


```
<span class="popular2">django</span>
<span class="popular1">Mail.ru</span>
  <span class="popular1">Voloshin</span>
  <span class="popular4">FireFox</span>
</div>
</div>
</div>
<div class="row side-menu-title">
  <div class="col-12"><a href="best.html"> Best Members </a></div>
  <ul class="list">
    <li class="list-item"><a href="profile.html">Mr. Freeman</a></li>
    <li class="list-item"><a href="profile.html">Dr. House</a></li>
    <li class="list-item"><a href="profile.html">Bender</a></li>
    <li class="list-item"><a href="profile.html">Queen Victoria</a></li>
    <li class="list-item"><a href="profile.html">V. Pupkin</a></li>
  </ul>
</div>
</div>
</div>

</div>

</main>
<script src="../../static/js/jquery.slim.min.js"></script>
<script src="../../static/js/popper.min.js"></script>
<script src="../../static/css/bootstrap.min.js"></script>
</body>
</html>
```

Результат работы:  
Экранные формы:

New Questions [Hot Questions](#)



▲  
10  
▼

### How to build a moon park?

Guys, i have trouble with a moon park. Can't find th black-jack.

Answers

Tags:  
[Black-jack](#) [Bender](#)



▲  
10  
▼

### How to build a moon park?

Guys, i have trouble with a moon park. Can't find th black-jack.

Popular Tags

perl **python** TechnoPark  
**MySQL** [django](#) [Mail.ru](#) [Voloshin](#)  
[FireFox](#)

Best Members

[Mr. Freeman](#)  
[Dr. House](#)  
[Bender](#)  
[Queen Victoria](#)  
[V. Pupkin](#)

[Donate to us](#)

NAME	DESCRIPTION

Popular Tags

perl **python** TechnoPark  
**MySQL** [django](#) [Mail.ru](#) [Voloshin](#)  
[FireFox](#)

Best Members

[Mr. Freeman](#)  
[Dr. House](#)  
[Bender](#)  
[Queen Victoria](#)  
[V. Pupkin](#)

№	Работа	Тема
1	<a href="#">Mr. Freeman</a>	101 балл
2	<a href="#">Dr. House</a>	100 баллов
3	<a href="#">Bender</a>	77 баллов
4	<a href="#">Queen Victoria</a>	50 баллов
5	<a href="#">V. Pupkin</a>	43 балла

Popular Tags

perl **python** TechnoPark  
**MySQL** [django](#) [Mail.ru](#) [Voloshin](#)  
[FireFox](#)