

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ  
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ  
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ  
«БЕЛГОРОДСКИЙ ГОСУДАРСТВЕННЫЙ  
ТЕХНОЛОГИЧЕСКИЙ УНИВЕРСИТЕТ им. В. Г. ШУХОВА»  
(БГТУ им. В.Г. Шухова)

Кафедра программного обеспечения вычислительной техники и автоматизированных  
систем

Лабораторная работа №1  
по дисциплине «Технологии Web-программирования»  
тема: «HTML. Разработка макетов и верстка шаблонов web-приложения с помощью  
языков HTML и CSS»

Выполнил: ст. группы ВТ-42  
Черных Артём Вячеславович  
Проверил: Картамышев С.В.

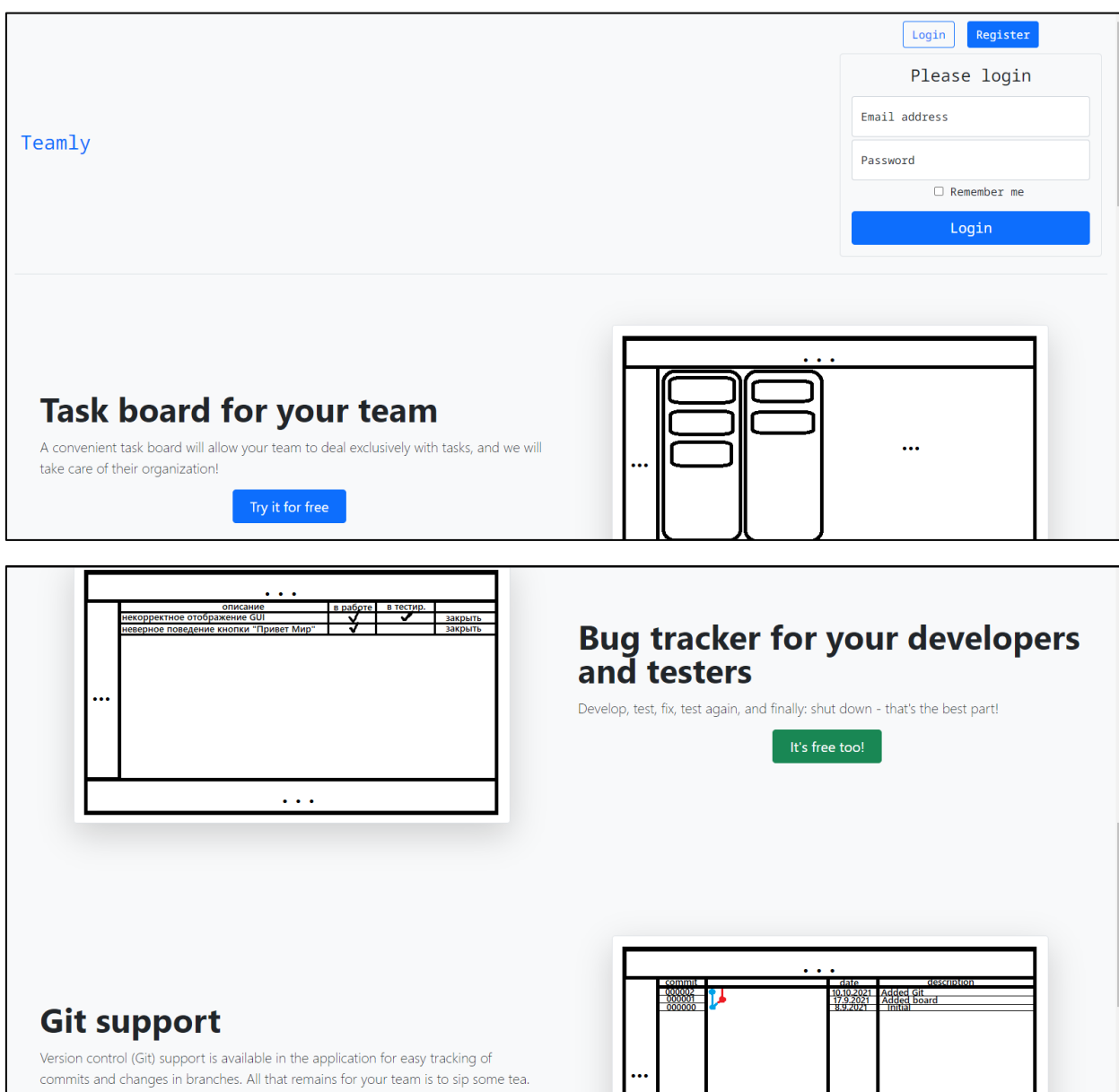
Белгород 2021 г.

**Цель работы:** изучить основы работы протокола передачи гипертекста HTTP. Изучить основы разметки страниц с помощью языка HTML. Изучить основы вёрстки страниц, адаптированных под различные устройства. Изучить основы работы задания стилей для разметки страницы с помощью языка CSS. Разработать макеты и «сверстать» страницы для web-приложения.

## Фреймворк

В качестве фреймворка был выбран Bootstrap версии 5.

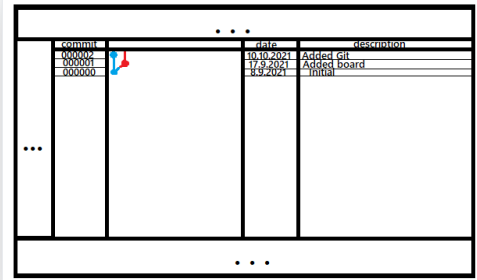
## Внешний вид страниц



## Git support

Version control (Git) support is available in the application for easy tracking of commits and changes in branches. All that remains for your team is to sip some tea.

Available in the app



commit	date	description
000000	10-10-2021	Added git
000000	10-9-2021	Added board
000000	8-9-2021	Initial

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## Teamly

### Registration form

Email address

Phone number

Password

Password confirm

☐ I accept the terms of the [license agreement](#)

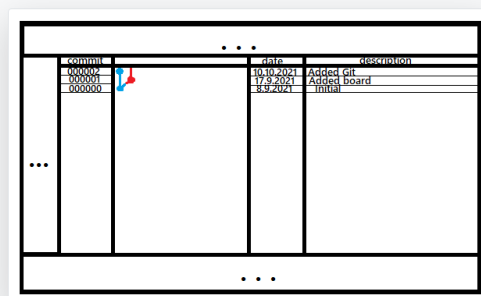
Register

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## Fully functional app with Git support!

Register in the system and get the Teamly app: like the web version, but much better! Git support, offline work, productivity and integration: you can get it all right now!

Try it now!



commit	date	description
000000	10-10-2021	Added git
000000	10-9-2021	Added board
000000	8-9-2021	Initial

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## Приложение

### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Teamly</title>
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com"
crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Noto+Sans+Mono:wght@100;200
;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
  <link href="css/bootstrap.css" rel="stylesheet">
  <link href="css/bootstrap-grid.css" rel="stylesheet">
  <link href="css/site.css" rel="stylesheet">
</head>
<body class="bg-light">
  <!-- HEADER -->
  <div class="container-fluid">
    <header class="d-flex flex-wrap align-items-center justify-
content-center justify-content-md-between py-3 mb-4 border-bottom">
      <!-- TITLE HEADER -->
      <div class="col-12 col-md-auto mb-2 justify-content-
center mb-md-0">
        <a href="index.html" class="px-2 fs-3 text-
decoration-none">Teamly</a>
      </div>

      <!-- AUTH BLOCK -->
      <div class="col-md-3 text-center">
        <button type="button" class="btn btn-outline-
primary me-2" onclick="toggleLoginBlock()">Login</button>
        <a href="register.html" class="btn btn-
primary">Register</a>

        <!-- LOGIN BLOCK -->
        <div class="login rounded-3 border text-
center p-3 m-2">
          <form>
            <h1 class="h4 mb-3 fw-
normal">Please login</h1>

            <!-- EMAIL -->
            <div class="form-floating mb-
1">
              <input type="email"
class="form-control" id="emailInput" placeholder="name@example.com"
required>
              <label
for="emailInput">Email address</label>
            </div>

            <!-- PASSWORD -->
            <div class="form-floating mb-
1">
```

```

<input type="password"
class="form-control" id="passwordInput" placeholder="Password" required>
<label
for="passwordInput">Password</label>
</div>

<!-- REMEMBER ME -->
<div class="form-check mb-3">
<label>
<input
type="checkbox" value="remember-me"> Remember me
</label>
</div>

<button class="w-100 btn btn-lg
btn-primary" type="submit">Login</button>
</form>
</div>
</div>
</header>
</div>

<!-- MAIN -->
<main class="d-flex flex-row justify-content-between">
<!-- MAIN BLOCK -->
<div class="mx-5">
<!-- TASK BOARD FEATURE -->
<div class="row flex-lg-row-reverse align-items-
center g-5 py-5">
<div class="col-10 col-sm-8 col-lg-6">

</div>
<div class="col-lg-6">
<h1 class="display-5 fw-bold lh-1 mb-
3">Task board for your team</h1>
<p class="lead">A convenient task
board will allow your team to deal exclusively with tasks, and we will
take care of their organization!</p>
<div class="d-grid gap-1 d-md-flex
justify-content-md-center">
<a href="register.html"
class="btn btn-primary btn-lg px-4 me-md-2">
Try it for free
</a>
</div>
</div>
</div>
<!-- BUG TRACKER FEATURE -->
<div class="row flex-lg-row align-items-center g-5
py-5 my-3">
<div class="col-10 col-sm-8 col-lg-6">


```

```

        </div>
        <div class="col-lg-6">
            <h1 class="display-5 fw-bold lh-1 mb-3">Bug tracker for your developers and testers</h1>
            <p class="lead">Develop, test, fix, test again, and finally: shut down - that's the best part!</p>
            <div class="d-grid gap-1 d-md-flex justify-content-md-center">
                <a href="register.html" class="btn btn-success btn-lg px-4 me-md-2">
                    It's free too!
                </a>
            </div>
        </div>
    </div>

    <!-- GIT FEATURE -->
    <div class="row flex-lg-row-reverse align-items-center g-5 py-5 my-3">
        <div class="col-10 col-sm-8 col-lg-6">
            
        </div>
        <div class="col-lg-6">
            <h1 class="display-5 fw-bold lh-1 mb-3">Git support</h1>
            <p class="lead">Version control (Git) support is available in the application for easy tracking of commits and changes in branches. All that remains for your team is to sip some tea.</p>
            <div class="d-grid gap-1 d-md-flex justify-content-md-center">
                <a href="downloads.html" class="btn btn-warning btn-lg px-4 me-md-2">
                    Available in the app
                </a>
            </div>
        </div>
    </div>
</div>
</main>

<!-- FOOTER -->
<div class="container-fluid">
    <footer class="pt-3 mt-4">
        <p class="text-center text-muted border-top pt-3 mt-3">&copy; 2021 Artyom Chernykh</p>
    </footer>
</div>

<script src="js/site.js"></script>
</body>
</html>

```

## register.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Welcome to Teamly!</title>
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com"
crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Noto+Sans+Mono:wght@100;200
;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
  <link href="css/bootstrap.css" rel="stylesheet">
  <link href="css/bootstrap-grid.css" rel="stylesheet">
  <link href="css/site.css" rel="stylesheet">
</head>
<body class="bg-light">
  <!-- HEADER -->
  <div class="container-fluid">
    <header class="align-items-center justify-content-center
justify-content-md-between py-3 mb-4 border-bottom text-center">
      <!-- TITLE HEADER -->
      <div class="col-12 col-md-auto mb-2 justify-content-
center mb-md-0">
        <a href="index.html" class="px-2 fs-3 text-
decoration-none">Teamly</a>
      </div>
    </header>
  </div>

  <!-- MAIN -->
  <main class="text-center py-5 m-auto w-25" style="display: block">
    <form>
      <h1 class="h3 mb-4 fw-lighter">Registration
form</h1>

      <!-- EMAIL -->
      <div title="Your email address" class="form-floating
mb-2">
        <input type="email" class="form-control"
id="emailInput" placeholder="your_email@example.com" required>
        <label for="emailInput">Email address</label>
      </div>

      <!-- PHONE NUMBER -->
      <div title="Your phone is proof that you are a real
person" class="form-floating mb-2">
        <input type="tel" class="form-control"
id="phoneNumber" placeholder="+0 (000) 000-00-00" required>
        <label for="phoneNumber">Phone number</label>
      </div>

      <!-- PASSWORD -->
      <div class="form-floating mb-2">
        <input type="password" class="form-control"
id="passwordInput" placeholder="your_password" required>
```

```

        <label for="passwordInput">Password</label>
    </div>

    <!-- PASSWORD CONFIRM -->
    <div class="form-floating mb-3">
        <input type="password" class="form-control"
id="passwordConfirmInput" placeholder="your_password" required>
        <label for="passwordConfirmInput">Password
confirm</label>
    </div>

    <!-- LICENSE AGREEMENT -->
    <div class="form-check mt-3 mb-3">
        <label>
            <input type="checkbox" class="form-
check-input" value="remember-me" required>
            I accept the terms of the
            <a href="license.html" class="link-
primary" >license agreement</a>
        </label>
    </div>

    <button type="submit" class="btn btn-lg btn-primary
mt-3 w-100">Register</button>
</form>
</main>

<!-- FOOTER -->
<div class="container-fluid">
    <footer class="pt-3 mt-4">
        <p class="text-center text-muted border-top pt-3 mt-
3">&copy; 2021 Artyom Chernykh</p>
    </footer>
</div>

<script src="js/site.js"></script>
</body>
</html>

```

## downloads.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Downloads</title>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com"
crossorigin>
    <link
href="https://fonts.googleapis.com/css2?family=Noto+Sans+Mono:wght@100;200
;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
    <link href="css/bootstrap.css" rel="stylesheet">
    <link href="css/bootstrap-grid.css" rel="stylesheet">
    <link href="css/site.css" rel="stylesheet">

```



```

</head>
<body class="bg-light">
  <!-- HEADER -->
  <div class="container-fluid">
    <header class="d-flex flex-wrap align-items-center justify-
content-center justify-content-md-between py-3 mb-4 border-bottom">
      <!-- TITLE HEADER -->
      <div class="col-12 col-md-auto mb-2 justify-content-
center mb-md-0">
        <a href="index.html" class="px-2 fs-3 text-
decoration-none">Teamly</a>
      </div>

      <!-- AUTH BLOCK -->
      <div class="col-md-3 text-center">
        <button type="button" class="btn btn-outline-
primary me-2" onclick="toggleLoginBlock()">Login</button>
        <a href="register.html" class="btn btn-
primary">Register</a>

        <!-- LOGIN BLOCK -->
        <div class="login rounded-3 border text-
center p-3 m-2">
          <form>
            <h1 class="h4 mb-3 fw-
normal">Please login</h1>

            <!-- EMAIL -->
            <div class="form-floating mb-
1">
              <input type="email"
class="form-control" id="emailInput" placeholder="name@example.com"
required>
              <label
for="emailInput">Email address</label>
            </div>

            <!-- PASSWORD -->
            <div class="form-floating mb-
1">
              <input type="password"
class="form-control" id="passwordInput" placeholder="Password" required>
              <label
for="passwordInput">Password</label>
            </div>

            <!-- REMEMBER ME -->
            <div class="form-check mb-3">
              <label>
                <input
type="checkbox" value="remember-me"> Remember me
              </label>
            </div>

            <button class="w-100 btn btn-lg
btn-primary" type="submit">Login</button>
          </form>
        </div>
      </div>
    </header>
  </div>

```

```

        </div>
    </div>
</header>
</div>

<!-- MAIN -->
<main>
    <!-- APP DESCRIPTION & DOWNLOAD -->
    <div class="px-4 pt-5 my-2 text-center">
        <h1 class="display-4 fw-bold">Fully functional app
with Git support!</h1>
        <div class="col-lg-6 mx-auto">
            <p class="lead mb-4">
                Register in the system and get the
Teamly app: like the web version, but much better!
                Git support, offline work,
productivity and integration: you can get it all right now!
            </p>
            <a href="register.html" class="btn btn-
primary">Try it now!</a>
        </div>
        <div class="overflow-hidden py-4">
            <div class="container px-5">
                
            </div>
        </div>
    </div>

</main>

<!-- FOOTER -->
<div class="container-fluid">
    <footer class="pt-3">
        <p class="text-center text-muted border-top pt-3 mt-
3">&copy; 2021 Artyom Chernykh</p>
    </footer>
</div>

<script src="js/site.js"></script>
</body>
</html>

```

### site.css

```

div header {
    font-family: 'Noto Sans Mono', monospace;
}

.login {
    visibility: hidden;
}

div footer {
    font-family: 'Noto Sans Mono', monospace;
}

```

```
}
```

### site.js

```
let _loginBlockShown = document.querySelector(".login").style.visibility  
=== "visible"  
  
function toggleLoginBlock()  
{  
    _loginBlockShown = !_loginBlockShown  
  
    document.querySelector(".login").style.visibility = _loginBlockShown  
    ? "visible" : "hidden"  
}
```