

Universitatea Tehnică a Moldovei
Facultatea Calculatoare, Informatică și Microelectronică
Departamentul Ingineria Software și Automatică

Raport

la Lucrarea de laborator nr. 2
la disciplina Tehnologii Web

Tema: Proiectarea unei pagini Web utilizând ASP.NET

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1. Scopul :

În Visual Studio de creat un proiect pe platforma ASP .Net și de adăugat în el conținutul paginii web.

2. Sarcina lucrării

Implementarea cunoștințelor acumulate în crearea unei pagini web, și a unui proiect în ASP .Net.

3. Scurtă teorie

Structura unei aplicatii ASP.NET MVC

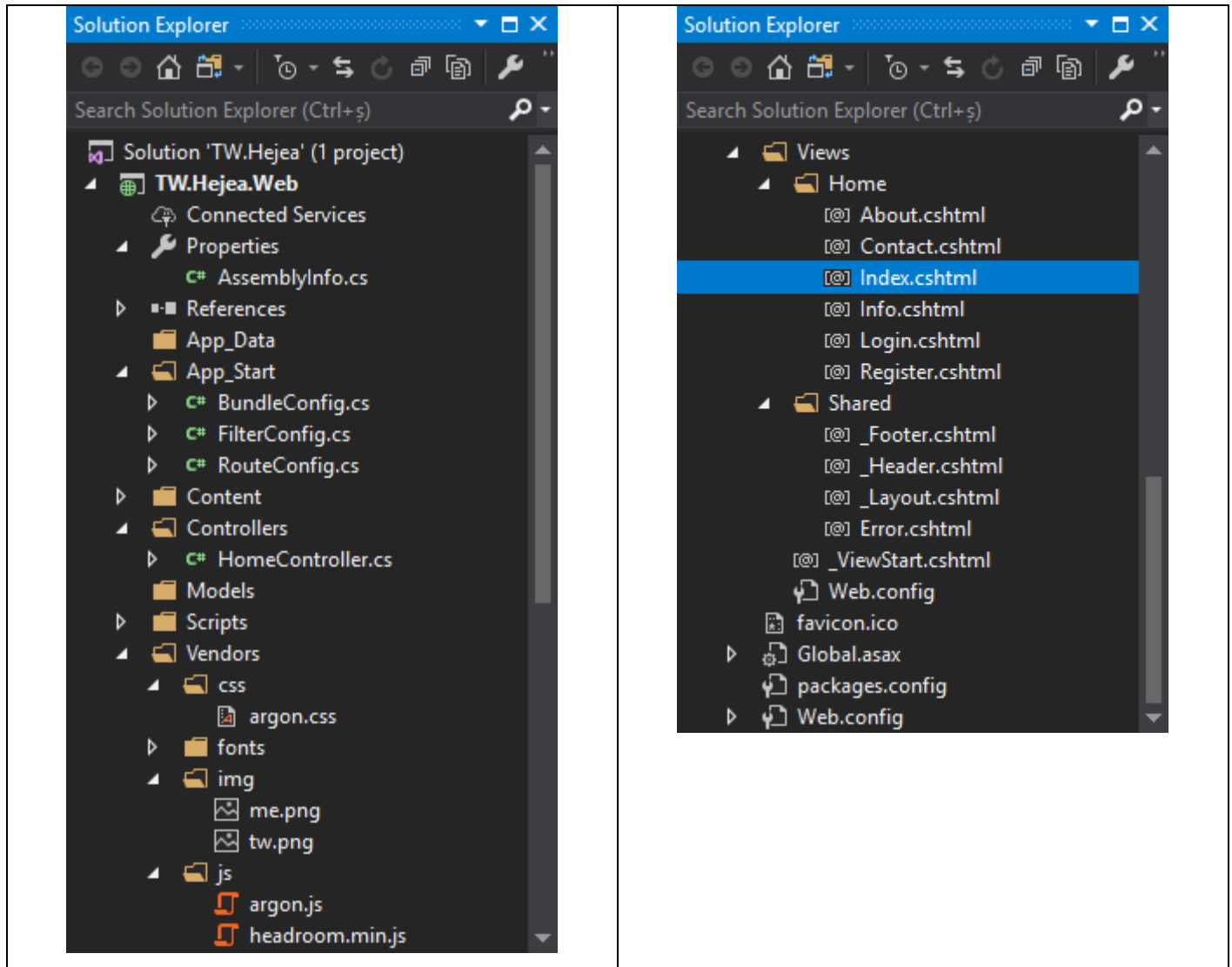
Directorul	Folderul proiectului
/Controllers	Contine clasele pentru Controller ce gestioneaza cererile URL
/Models	Contine clasele ce reprezinta datele modelului, Gestionarea acestor obiecte.
/Views	Contine fisiere template UI responsabile pentru afisarea rezultatului.
/Scripts	Contine biblioteci JavaScript si scripturi (.js).
/App_Data	Contine fisierele de date Read/Write. DB.
/App_Start	Contine cod de configurare, grupari de fisiere si Web API.
/Content	Contine fisierele CSS
/Images	Contine imaginile folosite in cadrul aplicatiei.

Aceasta structura este generata (nu in totalitate) de catre VS. Se poate folosi si o structura personalizata in sensul adaugarii a altor noi foldere.

4. Realizare

Site-ul pe care l-am făcut este un site de tip porfoliu. În el am inclus câteva pagini, și anume : *home*, *profile*, *login*, *sign up*, *about* și *contact*.

Conținutul proiectului :



Conținutul fișierului *BundleConfig.cs*

```
using System.Web;
using System.Web.Optimization;

namespace TW.Hejea.Web
{
    public class BundleConfig
    {
        public static void RegisterBundles(BundleCollection bundles)
        {
            bundles.Add(new ScriptBundle("~/bundles/jquery/js").Include(
                "~/Scripts/jquery-{version}.js"));
            bundles.Add(new ScriptBundle("~/bundles/jqueryval/js").Include(
                "~/Scripts/jquery.validate*"));
            bundles.Add(new ScriptBundle("~/bundles/bootstrap/js").Include(
                "~/Scripts/bootstrap.js"));
            bundles.Add(new StyleBundle("~/bundles/bootstrap/css").Include(
                "~/Content/bootstrap.css",
                "~/Content/site.css"));
            bundles.Add(new StyleBundle("~/bundles/argon/css").Include(
                "~/Vendors/css/argon.css", new CssRewriteUrlTransform()));
            bundles.Add(new ScriptBundle("~/bundles/argon/js").Include(
                "~/Vendots/js/argon.js"));
            bundles.Add(new ScriptBundle("~/bundles/headroom/js").Include(
                "~/Vendots/js/headroom.min.js"));
            bundles.Add(new ScriptBundle("~/bundles/popper/js").Include(
                "~/Scripts/popper.js"));
        }
    }
}
```

Conținutul fișierului *RouteConfig.cs*

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using System.Web.Routing;
namespace TW.Hejea.Web
{
    public class RouteConfig
    {
        public static void RegisterRoutes(RouteCollection routes)
        {
            routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
            routes.MapRoute(
                name: "Default",
                url: "{controller}/{action}/{id}",
                defaults: new { controller = "Home", action = "Index", id = UrlParameter.Optional }
            );
        }
    }
}
```

Conținutul fișierului *HomeController.cs*

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace TW.Hejea.Web.Controllers
{
    public class HomeController : Controller
    {
        public ActionResult Index()
        {
            ViewBag.Title = "Home";
            return View();
        }

        public ActionResult About()
        {
            return View();
        }

        public ActionResult Contact()
        {
            return View();
        }

        public ActionResult Login()
        {
            return View();
        }

        public ActionResult Info()
        {
            return View();
        }

        public ActionResult Register()
        {
            return View();
        }
    }
}
```

Conținutul fișierului *_ViewStart.cshtml*

```
@{
    Layout = "~/Views/Shared/_Layout.cshtml";
}
```

Conținutul fișierului *_Layout.cshtml*

```
<!DOCTYPE html>
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>TW | @ViewBag.Title</title>

  <link rel="icon" href="~/Vendors/img/tw.png" type="image/png">

  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700"
rel="stylesheet">

  <!-- Add local styles, mostly for plugins css file -->
  @if (IsSectionDefined("Styles"))
  {@RenderSection("Styles", required: false)}

  <!-- Primary HOME style -->

  @Styles.Render("~/bundles/argon/css")
</head>

<body>
  <div class="wrapper">
    <!-- Header -->
    <header class="header-global">
      <nav id="navbar-main" class="navbar navbar-main navbar-expand-lg navbar-transparent
navbar-light headroom headroom--not-bottom headroom--pinned headroom--not-top">
        @Html.Partial("_Header")
      </nav>
    </header>

    <!-- Main view -->
    <section class="content">
      @RenderBody()
      <!-- Footer-->
      @Html.Partial("_Footer")
    </section>

    <!-- Section for main scripts render -->
    @Scripts.Render("~/bundles/jquery/js")
    @Scripts.Render("~/bundles/popper/js")

    @Scripts.Render("~/bundles/headroom/js")
    @Scripts.Render("~/bundles/argon/js")
    <!-- Handler for local scripts -->
    @RenderSection("scripts", required: false)
  </div>
</body>
</html>
```

Conținutul fișierului *_Header.cshtml*

```
<div class="container">
  <div class="container navbar-collapse collapse" id="navbar_global">

    <ul class="navbar-nav navbar-nav-hover align-items-lg-center ">
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("Index","Home")">
          Home
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("Info","Home")">
          Profile
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("Login","Home")">
          Login
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("Register","Home")">
          Sign up
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("About","Home")">
          About
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="@Url.Action("Contact","Home")">
          Contact
        </a>
      </li>
    </ul>
    <ul class="navbar-nav align-items-lg-center ml-lg-auto">
      <li class="nav-item glyphicon-align-right">
        <a href="@Url.Action("Info","Home")" class="nav-link ">
          <span class="mr-3">Hejea Nicolae</span>
          
        </a>
      </li>
    </ul>
  </div>
</div>
```


Conținutul fișierului *_Footer.cshtml*

```
<footer class="footer">
  <div class="container">
    <div class="row align-items-center justify-content-md-between">
      <div class="col-md-6">
        <div class="copyright">
          &copy; 2019
          <a href="https://www.creative-tim.com" target="_blank">UTM</a>.
        </div>
      </div>
    </div>
  </div>
</footer>
```

Conținutul fișierului *Index.cshtml*

```
<main>
  <div class="position-relative">
    <section class="section section-lg section-shaped pb-300">
      <div class="shape shape-style-1 shape-default">
      </div>
      <div class="container py-lg-md d-flex">
        <div class="col px-0">
          <div class="row">
            <div class="col-lg-6">
              <h1 class="display-3 text-white">
                Un sistem de design frumos
                <span>completat cu exemple</span>
              </h1>
            </div>
          </div>
        </div>
      </div>
    </section>
  </div>
</main>
```

Conținutul fișierului *About.cshtml*

```
@{
    ViewBag.Title = "About";
}

<main>
    <section class="position-relative">
        <div class="container">
            <section class="section section-lg section-shaped pb-100">
                <div class="card shadow mt-5">
                    <div class="shape shape-style-1 shape-default">
                    </div>
                    <div class="text-center mt-5 mb-5">
                        <section class="section section-lg section-shaped">
                            <h2>@ViewBag.Title.</h2>
                            <h3>About page</h3>
                        </section>
                    </div>
                </div>
            </section>
        </div>
    </section>
</main>
```

Conținutul fișierului *Contact.cshtml*

```
@{
    ViewBag.Title = "Contact";
}

<main>
    <section class="section">
        <div class="container">
            <div class="row justify-content-center py-lg-5 mt-xl-5">
                <div class="col-lg-8">
                    <div class="card bg-gradient-secondary shadow">
                        <div class="card-body p-lg-5">
                            <h4 class="mb-1">Want to work with us?</h4>
                            <p class="mt-0">Your project is very important to us.</p>
                            <div class="form-group mt-5">
                                <div class="input-group input-group-alternative">
                                    <div class="input-group-prepend">
                                        <span class="input-group-text"><i class="ni ni-user-
run"></i></span>

                                    </div>
                                    <input class="form-control" placeholder="Your name"
type="text">
                                </div>
                            </div>
                            <div class="form-group">
                                <div class="input-group input-group-alternative">
                                    <div class="input-group-prepend">
                                        <span class="input-group-text"><i class="ni ni-email-
83"></i></span>

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



```

</span></span></span></span></span></span></span></span></span></span>
</div>

<div class="container pt-lg-md">
  <div class="row justify-content-center">
    <div class="col-lg-5">
      <div class="card bg-secondary shadow border-0">
        <div class="card-header bg-white pb-5">

          <div class="text-muted text-center mb-3">
            <small>Sign in with</small>
          </div>

          <div class="btn-wrapper text-center">
            <a href="#" class="btn btn-neutral btn-icon">
              <span class="btn-inner--icon">

                </span>
                <span class="btn-inner--text">Github</span>
            </a>
            <a href="#" class="btn btn-neutral btn-icon">
              <span class="btn-inner--icon">

                </span>
                <span class="btn-inner--text">Google</span>
            </a>
          </div>

        </div>
        <div class="card-body px-lg-4 py-lg-4">
          <div class="text-center text-muted mb-4">
            <small>Or sign in with credentials</small>
          </div>
          <form role="form">
            <div class="form-group mb-4">
              <div class="input-group input-group-alternative">
                <div class="input-group-prepend">
                  <span class="input-group-text"><i class="ni ni-email-
83"></i></span>

                </div>
                <input class="form-control" placeholder="Email"
type="email">

              </div>
            </div>
            <div class="form-group">
              <div class="input-group input-group-alternative">
                <div class="input-group-prepend">
                  <span class="input-group-text"><i class="ni ni-lock-
circle-open"></i></span>

                </div>
                <input class="form-control" placeholder="Password"
type="password">

              </div>
            </div>
            <div class="custom-control custom-control-alternative custom-
checkbox">
              <input class="custom-control-input" id=" customCheckLogin"
type="checkbox">

```

```

        <label class="custom-control-label" for=" customCheckLogin">
            <span>Remember me</span>
        </label>
    </div>
    <div class="text-center">
        <button type="button" class="btn btn-primary my-4">Sign
in</button>
    </div>
</form>
</div>
</div>
<div class="row mt-3">
    <div class="col-6">
        <a href="#" class="text-light">
            <small>Forgot password?</small>
        </a>
    </div>
    <div class="col-6 text-right">
        <a href="#" class="text-light">
            <small>Create new account</small>
        </a>
    </div>
</div>
</div>
</div>
</div>
</section>
</main>

```

Conținutul fișierului *Register.cshtml*

```

@{
    ViewBag.Title = "Sign up";
}

<main>
    <section class="section section-shaped section-lg">
        <div class="shape shape-style-1 bg-gradient-default">
        </div>
        <div class="container pt-lg-md">
            <div class="row justify-content-center">
                <div class="col-lg-5">
                    <div class="card bg-secondary shadow border-0">
                        <div class="card-header bg-white pb-5">
                            <div class="text-muted text-center mb-3">
                                <small>Sign up with</small>
                            </div>
                            <div class="text-center">
                                <a href="#" class="btn btn-neutral btn-icon mr-4">
                                    <span class="btn-inner--text">Github</span>
                                </a>
                                <a href="#" class="btn btn-neutral btn-icon">
                                    <span class="btn-inner--text">Google</span>
                                </a>
                            </div>
                        </div>
                        <div class="card-body px-lg-4 py-lg-4">
                            <div class="text-center text-muted mb-4">

```

```

        <small>Or sign up with credentials</small>
    </div>
    <form role="form">
        <div class="form-group">
            <div class="input-group input-group-alternative mb-3">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="ni ni-hat-3"></i></span>
                </div>
                <input class="form-control" placeholder="Name" type="text">
            </div>
        </div>
        <div class="form-group">
            <div class="input-group input-group-alternative mb-3">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="ni ni-email-83"></i></span>
                </div>
                <input class="form-control" placeholder="Email" type="email">
            </div>
        </div>
        <div class="form-group">
            <div class="input-group input-group-alternative">
                <div class="input-group-prepend">
                    <span class="input-group-text"><i class="ni ni-lock-circle-
open"></i></span>
                </div>
                <input class="form-control" placeholder="Password" type="password">
            </div>
        </div>

        <div class="row my-4">
            <div class="col-12">
                <div class="custom-control custom-control-alternative custom-checkbox">
                    <input class="custom-control-input" id="customCheckRegister"
type="checkbox">
                    <label class="custom-control-label" for="customCheckRegister">
                        <span>I agree with the
                            <a href="#">Privacy Policy</a>
                        </span>
                    </label>
                </div>
            </div>
        </div>
        <div class="text-center">
            <button type="button" class="btn btn-primary mt-4">Create account</button>
        </div>
    </form>
</div>
</div>
</div>
</div>
</div>
</section>
</main>

```

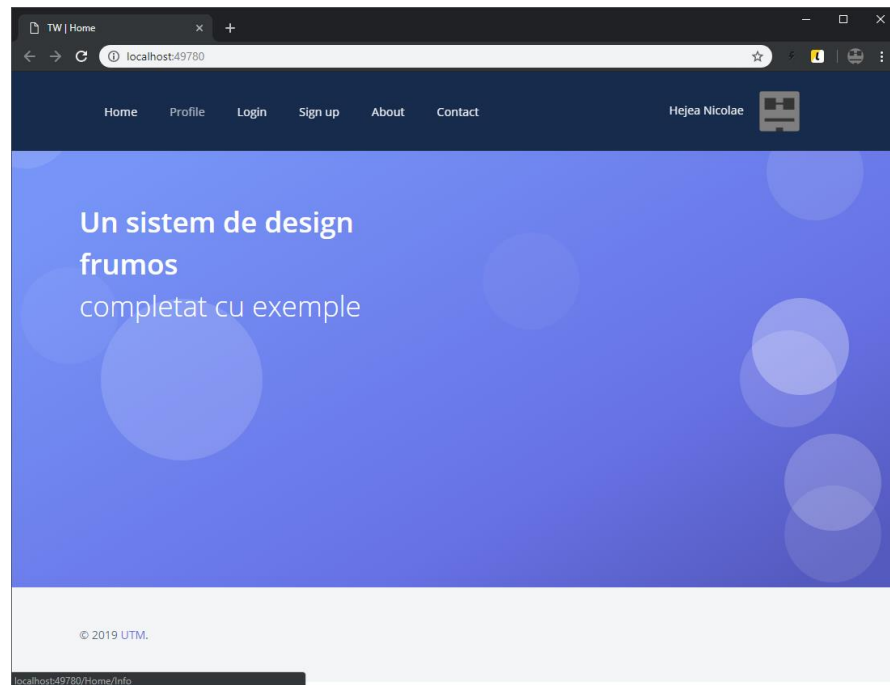
Conținutul fișierului *Global.asax*

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using System.Web.Optimization;
using System.Web.Routing;
using System.Web.Security;
using System.Web.SessionState;

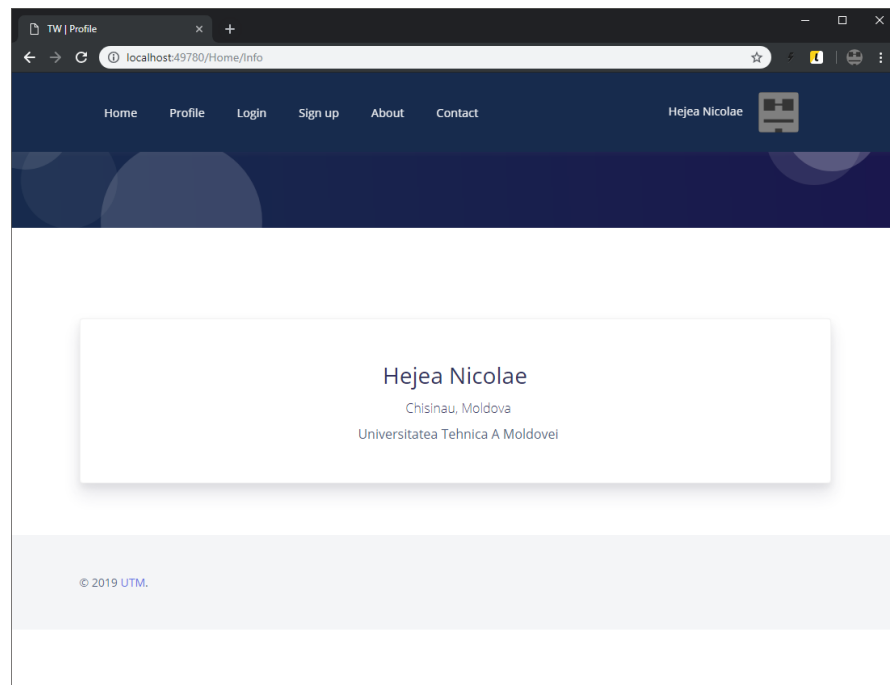
namespace TW.Hejea.Web
{
    public class MvcApplication : System.Web.HttpApplication
    {
        protected void Application_Start()
        {
            AreaRegistration.RegisterAllAreas();
            FilterConfig.RegisterGlobalFilters(GlobalFilters.Filters);
            RouteConfig.RegisterRoutes(RouteTable.Routes);
            BundleConfig.RegisterBundles(BundleTable.Bundles);
        }
    }
}
```

5. Rezultat

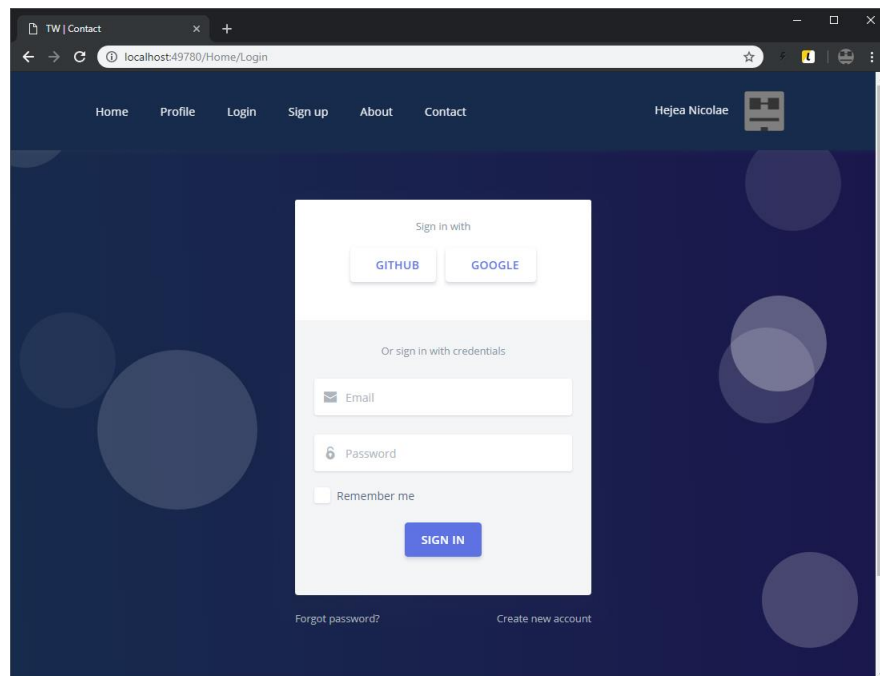
Pagina *home* :



Pagina *profile* :



Pagina login :



Pagina sign up :

Sign up

Home Profile Login Sign up About Contact

Hejea Nicolae

Sign up with

GITHUB GOOGLE

Or sign up with credentials

Name

Email

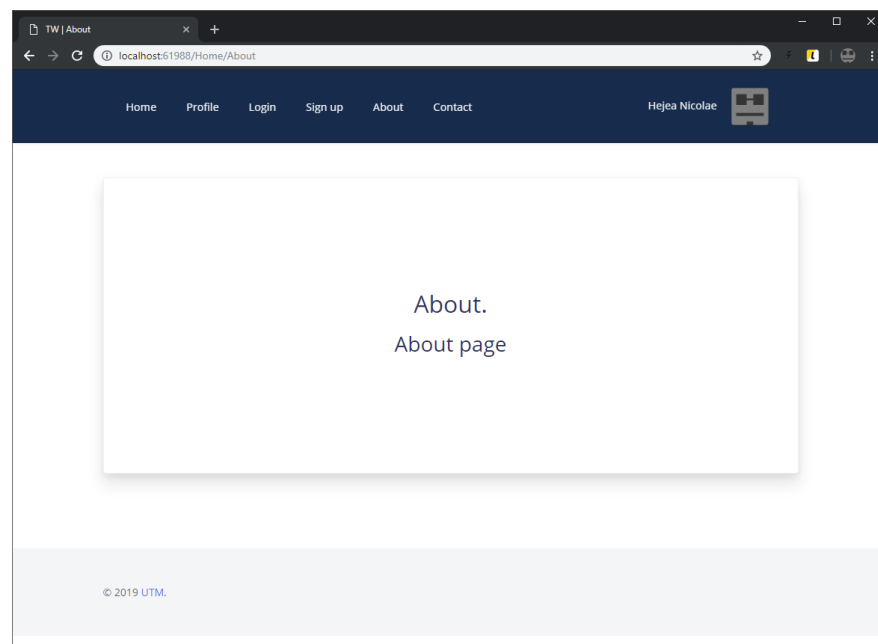
Password

password strength: **strong**

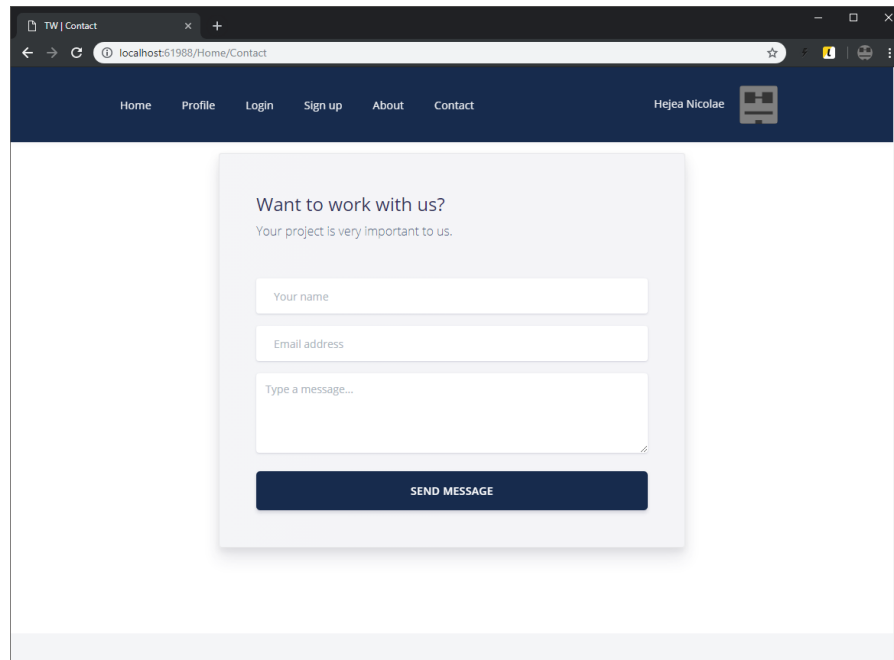
☐ I agree with the Privacy Policy

CREATE ACCOUNT

Pagina about :



Pagina contact :



The screenshot shows a web browser window with the address bar displaying "localhost:61988/Home/Contact". The browser tab is labeled "TW | Contact". The website has a dark blue header with navigation links: "Home", "Profile", "Login", "Sign up", "About", and "Contact". On the right side of the header, the name "Hejea Nicolae" is displayed next to a small profile icon. The main content area features a light gray contact form with the heading "Want to work with us?" and the subtext "Your project is very important to us.". The form includes three input fields: "Your name", "Email address", and "Type a message...". Below these fields is a dark blue button labeled "SEND MESSAGE".