THE PRO-LOG WEB-ENGINE

DEPLOYMENT GUIDE

TERMS OF USE

According to the license terms, you can use and modify this web-site engine free, but it is mandatory to maintain copyright and contact of author in the footer of each page.

Listing 1 – Mandatory copyright

```
<p>&copy; @DateTime.Now.Year - Engine by <a href="mailto:zgazhelskaia@gmail.com">
web-studio "Pro-Log"</a></p>
```

SEQUENCE OF DEPLOYMENT

1. Download files from GitHub:
   https://github.com/Andromeda6688/ProLog-WebSite-with-Administration-panel
2. Create Database and fill it with initial data
3. Manage user accounts
4. Modify style and layout to individualize your web-site
5. Publish your web-site to host

DATABASE

> ❗ Instead of scripts you also can use a database backup that you can find here: DOCUMENTATION/DB/DB_initialData.bak
>
> Scripts you can find here: DOCUMENTATION/DB/DBcreation_script.sql

1. Create a database and two tables: "Users" and "Pages".

Listing 2 – Script to create table "Users"

```
CREATE TABLE [dbo].[Users] (
    [Id]      INT         IDENTITY (1, 1) NOT NULL,
    [Name]    VARCHAR (100) NULL,
    [Email]   VARCHAR (100) NULL,
    [IsActive] BIT          DEFAULT ((1)) NULL,
    PRIMARY KEY CLUSTERED ([Id] ASC) );
GO
ALTER TABLE [dbo].[Users] ADD  DEFAULT ((1)) FOR [IsActive]
GO
```

Listing 3 – Script to create table "Pages"

```sql
CREATE TABLE [dbo].[Pages] (
    [Id]          INT           IDENTITY (1, 1) NOT NULL,
    [Title]       NVARCHAR (160) NOT NULL,
    [Description] NVARCHAR (160) NULL,
    [Keywords]    NVARCHAR (160) NULL,
    [Content]     NVARCHAR (MAX) NULL,
    [ParentId]    INT           DEFAULT ((0)) NOT NULL,
    [Address]     NVARCHAR (20)  NOT NULL,
    [IsVisible]   BIT           DEFAULT ((1)) NOT NULL,
    [IsInMenu]    BIT           DEFAULT ((1)) NOT NULL,
    [DisplayOrder] INT          NULL,
    PRIMARY KEY CLUSTERED ([Id] ASC));
GO
ALTER TABLE [dbo].[Pages] ADD  DEFAULT ((0)) FOR [ParentId]
GO
ALTER TABLE [dbo].[Pages] ADD  DEFAULT ((1)) FOR [IsVisible]
GO
ALTER TABLE [dbo].[Pages] ADD  DEFAULT ((1)) FOR [IsInMenu]
GO
```

2. Fill table "Pages" with initial data

According to the logic of the web-site, the database should contain one page of the first level. The address of this page must be "Index" and ParentId must be 0.

Maximum two levels are acceptable. (Index – Page – Child page).

The page "Index" can be initialized in two ways: manually and automatically.

a. Create "Index" manually with the script from Listing 4.

Listing 4 – Script to create page "Index"

```sql
INSERT INTO [dbo].[Pages]
           ([Title]
           ,[Description]
           ,[Keywords]
           ,[Content]
           ,[ParentId]
           ,[Address]
           ,[IsVisible]
           ,[IsInMenu]
           ,[DisplayOrder])
     VALUES
           ('CompanyName'
           ,''
           ,''
           ,'type the text about your company'
           ,0
           ,'Index'
           ,1
           ,1
           ,0)
GO
```

b. <u>Let the program create the page "Index" automatically</u>

The page "Index" is created automatically when the program first tries to load this page. If you want to change the initial data pay an attention to the class "SqlRepository" which you can find at the address: "Global/ SqlRepository.cs"

Listing 5 – Creation of page "Index" from class "SqlRepository"

```csharp
public class SqlRepository
{

    public SqlRepository()
        {
            if (DB.Pages.Count(p => p.ParentId == 0
                  && string.Compare(p.Address, "Index") == 0) == 0)
            {
                Initialize();
            }
        }

}

private void Initialize()
{
    Page _index = new Page()
    {
        Title = "Pro-log web-site",
        ParentId = 0,
        Address = "Index",
        Content = "type some text",
        DisplayOrder = 0,
        IsVisible = true
    };

    this.CreatePage(_index);
}
```

3. <u>Table "Users"</u>

There is no need to insert any records into the table "Users". An account of SuperAdmin will be created automatically by the first attempt of login. (See details in the section "User accounts").

4. <u>Correct the connection string</u>

Type the connection string to your database in the file <u>Web.config</u>.

Listing 6 – Example of connection string

```xml
<connectionStrings>
  <add name="WebSiteDBConnectionString" connectionString=
  "Data Source=(LocalDB)\v11.0;AttachDbFilename=|DataDirectory|\WebSiteDB.mdf;
  Integrated Security=True;Connect Timeout=30" providerName="System.Data.SqlClient" />
</connectionStrings>
```

USER ACCOUNTS

An account of SuperAdmin will be created automatically on the first attempt of login.

Default credentials are:

- Login: SuperAdmin
- Password: SecretSuperAdminPassword

If you want to change credentials, please review class SimpleMembershipInitializer (you can find it by address: Filters/InitializeSimpleMembershipAttribute.cs)

Listing 7 – SimpleMembershipInitializer. Fragment

```csharp
var roles = (SimpleRoleProvider)Roles.Provider;
var membership = (SimpleMembershipProvider)Membership.Provider;

if (!roles.RoleExists("Admin"))
{
    roles.CreateRole("Admin");
}
if (membership.GetUser("SuperAdmin", false) == null)
{
    membership.CreateUserAndAccount("SuperAdmin", "SecretSuperAdminPassword");
}
if (!roles.GetRolesForUser("SuperAdmin").Contains("Admin"))
{
    roles.AddUsersToRoles(new[] { "SuperAdmin" }, new[] { "Admin" });
}
if (!roles.GetRolesForUser("SuperAdmin").Contains("Author"))
{
    roles.AddUsersToRoles(new[] { "SuperAdmin" }, new[] { "Author" });
}
```

> **!** The only way to change the credentials of the SuperAdmin after initialization is to delete the record from the database manually, since there is no such possibility in the Administration panel.

User and administrator accounts can be created in the Administration panel. Please read the "User guide" to understand how to do it.

STYLE

To individualize your web-site please modify layout and style sheets:

- Shared/_MasterLayout.cshtml
- Content/Style.css

PUBLICATION OF THE WEB-SITE

To publish your web-site into hosting please use tool "Publish web application" of Visual Studio.