ДОДАТОК Б. ОПИС ПРОГРАМИ

```csharp
Article.cs
using System;

namespace Aggregator.Entities
{
    class Article
    {
        string Name;
        DateTime PublishedDateTime;
        DateTime RetrievedDateTime;
        string Source;
        string Text;
    }
}


Config.cs
using System;

namespace Aggregator.Entities
{
    class Config
    {
        DateTime? EndDate;
        DateTime? StartDate;
        string SiteName;
    }
}


Aggregator.AssemblyInfo.cs
//------------------------------------------------------------------------------
// <auto-generated>
//     This code was generated by a tool.
//     Runtime Version:4.0.30319.42000
//
//     Changes to this file may cause incorrect behavior and will be lost if
//     the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

using System;
using System.Reflection;

[assembly: System.Reflection.AssemblyCompanyAttribute("Aggregator")]
[assembly: System.Reflection.AssemblyConfigurationAttribute("Debug")]
[assembly: System.Reflection.AssemblyDescriptionAttribute("Package
Description")]
[assembly: System.Reflection.AssemblyFileVersionAttribute("1.0.0.0")]
[assembly: System.Reflection.AssemblyInformationalVersionAttribute("1.0.0")]
[assembly: System.Reflection.AssemblyProductAttribute("Aggregator")]
[assembly: System.Reflection.AssemblyTitleAttribute("Aggregator")]
[assembly: System.Reflection.AssemblyVersionAttribute("1.0.0.0")]

// Generated by the MSBuild WriteCodeFragment class.


TemporaryGeneratedFile_036C0B5B-1481-4323-8D20-8F5ADCB23D92.cs

TemporaryGeneratedFile_5937a670-0e60-4077-877b-f7221da3dda1.cs

TemporaryGeneratedFile_E7A71F73-0F8D-4B9B-B56E-8E70B10BC5D3.cs
```

```
IConfigurationService.cs
using System;
using System.Collections.Generic;
using System.Text;

namespace Aggregator.Services
{
    interface IConfigurationService
    {
    }
}

IFetchService.cs
using Aggregator.Entities;
using System;
using System.Collections.Generic;
using System.Text;

namespace Aggregator.Services
{
    interface IFetchService
    {
        IEnumerable<Article> Fetch(DateTime? startDate, DateTime? endDate);
        String SiteName { get; }
    }
}

IPersistanceService.cs
using Aggregator.Entities;
using System;
using System.Collections.Generic;
using System.Text;

namespace Aggregator.Services
{
    interface IPersistanceService
    {
        int Save(IEnumerable<Article> articles);
        int Save(Article article);
    }
}

Core.cs
using System;

namespace Aggregator
{
    class Core
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
        }
    }
}

Aggregator.sln

Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.26430.6
```

Змн.	Арк.	№ докум.	Підпис	Дата		ІАЛЦ.045490-04-13	Арк.
							3

```
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "Aggregator",
"Aggregator\Aggregator.csproj", "{7BDB7D5D-860A-422F-BF19-DC807ADC8690}"
EndProject
Global
	GlobalSection(SolutionConfigurationPlatforms) = preSolution
		Debug|Any CPU = Debug|Any CPU
		Release|Any CPU = Release|Any CPU
	EndGlobalSection
	GlobalSection(ProjectConfigurationPlatforms) = postSolution
		{7BDB7D5D-860A-422F-BF19-DC807ADC8690}.Debug|Any CPU.ActiveCfg =
Debug|Any CPU
		{7BDB7D5D-860A-422F-BF19-DC807ADC8690}.Debug|Any CPU.Build.0 =
Debug|Any CPU
		{7BDB7D5D-860A-422F-BF19-DC807ADC8690}.Release|Any CPU.ActiveCfg =
Release|Any CPU
		{7BDB7D5D-860A-422F-BF19-DC807ADC8690}.Release|Any CPU.Build.0 =
Release|Any CPU
	EndGlobalSection
	GlobalSection(SolutionProperties) = preSolution
		HideSolutionNode = FALSE
	EndGlobalSection
EndGlobal

Aggregator.csproj
<Project Sdk="Microsoft.NET.Sdk">

  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <TargetFramework>netcoreapp1.1</TargetFramework>
  </PropertyGroup>

  <ItemGroup>
    <PackageReference Include="StructureMap" Version="4.5.0" />
  </ItemGroup>

</Project>

App.g.cs
#pragma checksum "..\..\App.xaml" "{406ea660-64cf-4c82-b6f0-42d48172a799}"
"6341CC3B7DF3394076E0A81579870575"

using System;
using System.Diagnostics;
using System.Windows;
using System.Windows.Automation;
using System.Windows.Controls;
using System.Windows.Controls.Primitives;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Ink;
using System.Windows.Input;
using System.Windows.Markup;
using System.Windows.Media;
using System.Windows.Media.Animation;
using System.Windows.Media.Effects;
using System.Windows.Media.Imaging;
using System.Windows.Media.Media3D;
using System.Windows.Media.TextFormatting;
using System.Windows.Navigation;
using System.Windows.Shapes;
using System.Windows.Shell;
```

```
using WpfApplication1;


namespace WpfApplication1 {


    /// <summary>
    /// App
    /// </summary>
    public partial class App : System.Windows.Application {

        /// <summary>
        /// InitializeComponent
        /// </summary>
        [System.Diagnostics.DebuggerNonUserCodeAttribute()]

[System.CodeDom.Compiler.GeneratedCodeAttribute("PresentationBuildTasks",
"4.0.0.0")]
        public void InitializeComponent() {

            #line 5 "..\..\App.xaml"
            this.StartupUri = new System.Uri("MainWindow.xaml",
System.UriKind.Relative);

            #line default
            #line hidden
        }

        /// <summary>
        /// Application Entry Point.
        /// </summary>
        [System.STAThreadAttribute()]
        [System.Diagnostics.DebuggerNonUserCodeAttribute()]

[System.CodeDom.Compiler.GeneratedCodeAttribute("PresentationBuildTasks",
"4.0.0.0")]
        public static void Main() {
            WpfApplication1.App app = new WpfApplication1.App();
            app.InitializeComponent();
            app.Run();
        }
    }
}


Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 14
VisualStudioVersion = 14.0.25420.1
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "WpfApplication1",
"WpfApplication1\WpfApplication1.csproj", "{553B820E-35AC-47BD-8382-
7997169F2336}"
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {553B820E-35AC-47BD-8382-7997169F2336}.Debug|Any CPU.ActiveCfg =
Debug|Any CPU
```

					Арк.
				ІАЛЦ.045490-04-13	
Змн.	Арк.	№ докум.	Підпис	Дата	5

```
            {553B820E-35AC-47BD-8382-7997169F2336}.Debug|Any CPU.Build.0 =
Debug|Any CPU
            {553B820E-35AC-47BD-8382-7997169F2336}.Release|Any CPU.ActiveCfg =
Release|Any CPU
            {553B820E-35AC-47BD-8382-7997169F2336}.Release|Any CPU.Build.0 =
Release|Any CPU
        EndGlobalSection
        GlobalSection(SolutionProperties) = preSolution
            HideSolutionNode = FALSE
        EndGlobalSection
EndGlobal


WpfApplication1.csproj
<?xml version="1.0" encoding="utf-8"?>
<Project ToolsVersion="14.0" DefaultTargets="Build"
xmlns="http://schemas.microsoft.com/developer/msbuild/2003">
  <Import
Project="$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Common.props"
Condition="Exists('$(MSBuildExtensionsPath)\$(MSBuildToolsVersion)\Microsoft.Com
mon.props')" />
  <PropertyGroup>
    <Configuration Condition=" '$(Configuration)' == '' ">Debug</Configuration>
    <Platform Condition=" '$(Platform)' == '' ">AnyCPU</Platform>
    <ProjectGuid>{553B820E-35AC-47BD-8382-7997169F2336}</ProjectGuid>
    <OutputType>WinExe</OutputType>
    <AppDesignerFolder>Properties</AppDesignerFolder>
    <RootNamespace>WpfApplication1</RootNamespace>
    <AssemblyName>WpfApplication1</AssemblyName>
    <TargetFrameworkVersion>v4.6.1</TargetFrameworkVersion>
    <FileAlignment>512</FileAlignment>
    <ProjectTypeGuids>{60dc8134-eba5-43b8-bcc9-bb4bc16c2548};{FAE04EC0-301F-
11D3-BF4B-00C04F79EFBC}</ProjectTypeGuids>
    <WarningLevel>4</WarningLevel>
    <AutoGenerateBindingRedirects>true</AutoGenerateBindingRedirects>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugSymbols>true</DebugSymbols>
    <DebugType>full</DebugType>
    <Optimize>false</Optimize>
    <OutputPath>bin\Debug\</OutputPath>
    <DefineConstants>DEBUG;TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Release|AnyCPU'
">
    <PlatformTarget>AnyCPU</PlatformTarget>
    <DebugType>pdbonly</DebugType>
    <Optimize>true</Optimize>
    <OutputPath>bin\Release\</OutputPath>
    <DefineConstants>TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <ItemGroup>
    <Reference Include="System" />
    <Reference Include="System.Data" />
    <Reference Include="System.Xml" />
    <Reference Include="Microsoft.CSharp" />
    <Reference Include="System.Core" />
    <Reference Include="System.Xml.Linq" />
```

```xml
      <Reference Include="System.Data.DataSetExtensions" />
      <Reference Include="System.Net.Http" />
      <Reference Include="System.Xaml">
        <RequiredTargetFramework>4.0</RequiredTargetFramework>
      </Reference>
      <Reference Include="WindowsBase" />
      <Reference Include="PresentationCore" />
      <Reference Include="PresentationFramework" />
  </ItemGroup>
  <ItemGroup>
      <ApplicationDefinition Include="App.xaml">
        <Generator>MSBuild:Compile</Generator>
        <SubType>Designer</SubType>
      </ApplicationDefinition>
      <Page Include="MainWindow.xaml">
        <Generator>MSBuild:Compile</Generator>
        <SubType>Designer</SubType>
      </Page>
      <Compile Include="App.xaml.cs">
        <DependentUpon>App.xaml</DependentUpon>
        <SubType>Code</SubType>
      </Compile>
      <Compile Include="MainWindow.xaml.cs">
        <DependentUpon>MainWindow.xaml</DependentUpon>
        <SubType>Code</SubType>
      </Compile>
  </ItemGroup>
  <ItemGroup>
      <Compile Include="Properties\AssemblyInfo.cs">
        <SubType>Code</SubType>
      </Compile>
      <Compile Include="Properties\Resources.Designer.cs">
        <AutoGen>True</AutoGen>
        <DesignTime>True</DesignTime>
        <DependentUpon>Resources.resx</DependentUpon>
      </Compile>
      <Compile Include="Properties\Settings.Designer.cs">
        <AutoGen>True</AutoGen>
        <DependentUpon>Settings.settings</DependentUpon>
        <DesignTimeSharedInput>True</DesignTimeSharedInput>
      </Compile>
      <EmbeddedResource Include="Properties\Resources.resx">
        <Generator>ResXFileCodeGenerator</Generator>
        <LastGenOutput>Resources.Designer.cs</LastGenOutput>
      </EmbeddedResource>
      <None Include="Properties\Settings.settings">
        <Generator>SettingsSingleFileGenerator</Generator>
        <LastGenOutput>Settings.Designer.cs</LastGenOutput>
      </None>
      <AppDesigner Include="Properties\" />
  </ItemGroup>
  <ItemGroup>
      <None Include="App.config" />
  </ItemGroup>
  <Import Project="$(MSBuildToolsPath)\Microsoft.CSharp.targets" />
  <!-- To modify your build process, add your task inside one of the targets
below and uncomment it.
      Other similar extension points exist, see Microsoft.Common.targets.
  <Target Name="BeforeBuild">
  </Target>
  <Target Name="AfterBuild">
  </Target>
```

```
    -->
</Project>

App.xaml
<Application x:Class="WpfApplication1.App"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:local="clr-namespace:WpfApplication1"
             StartupUri="MainWindow.xaml">
    <Application.Resources>

    </Application.Resources>
</Application>


MainWindow.xaml
<Window x:Class="WpfApplication1.MainWindow"
        xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
        xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
        xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
        xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
        xmlns:local="clr-namespace:WpfApplication1"
        mc:Ignorable="d"
        Title="Налаштування агрегатора" Height="172.697" Width="376.097">
    <Window.Resources>
        <Style TargetType="{x:Type DatePickerTextBox}">
            <Setter Property="Text" Value="Оберіть дату"/>
        </Style>
    </Window.Resources>
    <Grid Margin="0,0,2,0">
        <Grid.ColumnDefinitions>
            <ColumnDefinition Width="39*"/>
            <ColumnDefinition Width="61*"/>
        </Grid.ColumnDefinitions>
        <DatePicker Margin="55,43,25,0" VerticalAlignment="Top"
Grid.Column="1"/>
        <DatePicker Margin="55,72,25,0" VerticalAlignment="Top"
Grid.Column="1"/>
        <Label x:Name="startDate" Content="Дата першої публікації"
HorizontalAlignment="Left" Margin="17,38,0,0" VerticalAlignment="Top"
Grid.ColumnSpan="2" Width="149"/>
        <Label x:Name="endDate" Content="Дата останньої публікації"
HorizontalAlignment="Left" Margin="17,69,0,0" VerticalAlignment="Top"
Grid.ColumnSpan="2"/>
        <Button x:Name="button" Grid.ColumnSpan="2" Content="Розпочати
агрегацію" Margin="114,112,109,0" VerticalAlignment="Top"/>
        <ComboBox x:Name="comboBox" IsEditable="True" Text="Оберіть веб-сайт"
Margin="17,16,25,0" VerticalAlignment="Top" Grid.ColumnSpan="2">
            <ComboBoxItem >www.pravda.com.ua</ComboBoxItem>
            <ComboBoxItem>www.nytimes.com</ComboBoxItem>
            <ComboBoxItem>www.meta.ua</ComboBoxItem>
            <ComboBoxItem>www.unian.net</ComboBoxItem>
        </ComboBox>
    </Grid>
</Window>
```