Приложение А

Окно Авторизации

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;s

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AuthorsWindow.xaml

/// </summary>

public partial class AuthorsWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AuthorsWindow()

{

InitializeComponent();

}

private void Added(object sender, RoutedEventArgs e)

{

AddingAuthors aa = new AddingAuthors();

aa.Show();

this.Close();

}

private void Delete(object sender, RoutedEventArgs e)

{

Authors authors = (Authors)AuthorsList.SelectedItem;

DeleteAuthors(authors.IDAuthor);

AuthorsList.ItemsSource = db.Authors.ToList();

}

private void Edit(object sender, RoutedEventArgs e)

{

db.SaveChanges();

}

private void Backward(object sender, RoutedEventArgs e)

{

MenuWindow mw = new MenuWindow();

mw.Show();

this.Close();

}

public void Window\_Loaded(object sender, RoutedEventArgs e)

{

AuthorsList.ItemsSource = db.Authors.ToList();

}

public bool DeleteAuthors(int IDAuthor)

{

var result = MessageBox.Show("Вы точно хотите удалить выбранную запись?", "Удаление", MessageBoxButton.YesNo, MessageBoxImage.Question);

if (result == MessageBoxResult.Yes)

{

var query = db.Authors.SingleOrDefault(q => q.IDAuthor == IDAuthor);

if (query != null)

{

db.Authors.Remove(query);

db.SaveChanges();

return true;

}

else

{

return false;

}

}

else

return false;

}

}

}

Окно регистрации

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для RegistrationWindow.xaml

/// </summary>

public partial class RegistrationWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public RegistrationWindow()

{

InitializeComponent();

}

private void RegistrationClick(object sender, RoutedEventArgs e)

{

Registr(Name.Text, Login.Text, Password.Password);

}

private void BackwardClick(object sender, RoutedEventArgs e)

{

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

}

public bool Registr(string Name, string Login, string Password)

{

if (Name == "" || Login == "" || Password == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return false;

}

if (db.Admininstration.Select(item => item.Login).Contains(Login))

{

MessageBox.Show("Возникла ошибка! Данный логин уже зарегистрирован в системе");

return false;

}

else

{

Admininstration NewAdmin = new Admininstration();

NewAdmin.Name = Name;

NewAdmin.Login = Login;

NewAdmin.Password = Password;

db.Admininstration.Add(NewAdmin);

db.SaveChanges();

}

MessageBox.Show("Вы успешно прошли регистрацию");

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

return true;

}

}

}

Добавление автора

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AddingAuthors.xaml

/// </summary>

public partial class AddingAuthors : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AddingAuthors()

{

InitializeComponent();

}

private void Adding(object sender, RoutedEventArgs e)

{

AddAuthor(Surname.Text, FirstName.Text, MiddleName.Text);

}

private void BackWard(object sender, RoutedEventArgs e)

{

AuthorsWindow aw = new AuthorsWindow();

aw.Show();

this.Close();

}

public bool AddAuthor(string Surname, string FirstName, string MiddleName)

{

if (Surname == "" || FirstName == "" || MiddleName == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return false;

}

else

{

Authors authors = new Authors();

authors.Surname = Surname;

authors.FirstName = FirstName;

authors.MiddleName = MiddleName;

db.Authors.Add(authors);

db.SaveChanges();

MessageBox.Show("Добавлен автор");

AuthorsWindow aw = new AuthorsWindow();

aw.Show();

this.Close();

return true;

}

}

}

}

Добавление книг

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AddingBooks.xaml

/// </summary>

public partial class AddingBooks : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AddingBooks()

{

InitializeComponent();

IDAuthor.ItemsSource = db.Authors.ToList();

IDAuthor.DisplayMemberPath = "Surname";

IDAuthor.SelectedValuePath = "IDAuthor";

}

private void Adding(object sender, RoutedEventArgs e)

{

if (BookTitle.Text == "" || Edition.Text == "" || ReleaseDate.Text == "" || CostPrice.Text == "" || IDAuthor.SelectedValue.ToString() == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return;

}

else

{

Books books = new Books();

books.BookTitle = BookTitle.Text;

books.Edition = Edition.Text;

books.ReleaseDate = Convert.ToDateTime(ReleaseDate.Text);

books.CostPrice = Convert.ToInt32(CostPrice.Text);

books.IDAuthor = Convert.ToInt32(IDAuthor.SelectedValue.ToString());

db.Books.Add(books);

db.SaveChanges();

MessageBox.Show("Добавлена книга");

BooksWindow bw = new BooksWindow();

bw.Show();

this.Close();

}

}

private void BackWard(object sender, RoutedEventArgs e)

{

BooksWindow bw = new BooksWindow();

bw.Show();

this.Close();

}

}

}

Добавление заказчика  
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AddingCustomers.xaml

/// </summary>

public partial class AddingCustomers : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AddingCustomers()

{

InitializeComponent();

}

private void Adding(object sender, RoutedEventArgs e)

{

if (NameCustomer.Text == "" || PhoneNumber.Text == "" || Adress.Text == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return;

}

else

{

Customers customers = new Customers();

customers.NameCustomer = NameCustomer.Text;

customers.PhoneNumber = Convert.ToInt32(PhoneNumber.Text);

customers.Adress = Adress.Text;

db.Customers.Add(customers);

db.SaveChanges();

MessageBox.Show("Добавлен заказчик");

CustomersWindow cw = new CustomersWindow();

cw.Show();

this.Close();

}

}

private void BackWard(object sender, RoutedEventArgs e)

{

CustomersWindow cw = new CustomersWindow();

cw.Show();

this.Close();

}

}

}

Добавление заказа

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AddingOrders.xaml

/// </summary>

public partial class AddingOrders : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AddingOrders()

{

InitializeComponent();

IDStatusOrder.ItemsSource = db.StatusOrder.ToList();

IDStatusOrder.DisplayMemberPath = "NameStatus";

IDStatusOrder.SelectedValuePath = "IDStatusOrder";

IDBook.ItemsSource = db.Books.ToList();

IDBook.DisplayMemberPath = "BookTitle";

IDBook.SelectedValuePath = "IDBook";

IDCustomer.ItemsSource = db.Customers.ToList();

IDCustomer.DisplayMemberPath = "NameCustomer";

IDCustomer.SelectedValuePath = "IDCustomer";

}

private void Adding(object sender, RoutedEventArgs e)

{

if (NumberOrder.Text == "" || DateOrder.Text == "" || CostOrder.Text == "" || IDStatusOrder.SelectedValue.ToString() == "" || IDBook.SelectedValue.ToString() == "" || IDCustomer.SelectedValue.ToString() == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return;

}

else

{

Orders orders = new Orders();

orders.NumberOrder = Convert.ToInt32(NumberOrder.Text);

orders.DateOrder = Convert.ToDateTime(DateOrder.Text);

orders.CostOrder = Convert.ToInt32(CostOrder.Text);

orders.IDStatusOrder = Convert.ToInt32(IDStatusOrder.SelectedValue.ToString());

orders.IDBook = Convert.ToInt32(IDBook.SelectedValue.ToString());

orders.IDCustomer = Convert.ToInt32(IDCustomer.SelectedValue.ToString());

db.Orders.Add(orders);

db.SaveChanges();

MessageBox.Show("Добавлен заказ");

OrdersWindow ow = new OrdersWindow();

ow.Show();

this.Close();

}

}

private void BackWard(object sender, RoutedEventArgs e)

{

BooksWindow bw = new BooksWindow();

bw.Show();

this.Close();

}

}

}

Окно авторов

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для AuthorsWindow.xaml

/// </summary>

public partial class AuthorsWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public AuthorsWindow()

{

InitializeComponent();

}

private void Added(object sender, RoutedEventArgs e)

{

AddingAuthors aa = new AddingAuthors();

aa.Show();

this.Close();

}

private void Delete(object sender, RoutedEventArgs e)

{

Authors authors = (Authors)AuthorsList.SelectedItem;

DeleteAuthors(authors.IDAuthor);

AuthorsList.ItemsSource = db.Authors.ToList();

}

private void Edit(object sender, RoutedEventArgs e)

{

db.SaveChanges();

}

private void Backward(object sender, RoutedEventArgs e)

{

MenuWindow mw = new MenuWindow();

mw.Show();

this.Close();

}

public void Window\_Loaded(object sender, RoutedEventArgs e)

{

AuthorsList.ItemsSource = db.Authors.ToList();

}

public bool DeleteAuthors(int IDAuthor)

{

var result = MessageBox.Show("Вы точно хотите удалить выбранную запись?", "Удаление", MessageBoxButton.YesNo, MessageBoxImage.Question);

if (result == MessageBoxResult.Yes)

{

var query = db.Authors.SingleOrDefault(q => q.IDAuthor == IDAuthor);

if (query != null)

{

db.Authors.Remove(query);

db.SaveChanges();

return true;

}

else

{

return false;

}

}

else

return false;

}

}

}

Окно книг  
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для BooksWindow.xaml

/// </summary>

public partial class BooksWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public BooksWindow()

{

InitializeComponent();

}

private void Added(object sender, RoutedEventArgs e)

{

AddingBooks ab = new AddingBooks();

ab.Show();

this.Close();

}

private void Delete(object sender, RoutedEventArgs e)

{

var result = MessageBox.Show("Вы точно хотите удалить выбранную запись?", "Удаление", MessageBoxButton.YesNo, MessageBoxImage.Question);

if (result == MessageBoxResult.Yes)

{

if (BooksList.SelectedIndex >= 0)

{

Books books = (Books)BooksList.SelectedItem;

db.Books.Remove(db.Books.Single(q => q.IDBook == books.IDBook));

db.SaveChanges();

BooksList.ItemsSource = db.Books.ToList();

}

}

}

private void Edit(object sender, RoutedEventArgs e)

{

db.SaveChanges();

}

public void Window\_Loaded(object sender, RoutedEventArgs e)

{

BooksList.ItemsSource = db.Books.ToList();

}

private void Backward(object sender, RoutedEventArgs e)

{

MenuWindow mw = new MenuWindow();

mw.Show();

this.Close();

}

}

}

Окно заказчиков  
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для CustomersWindow.xaml

/// </summary>

public partial class CustomersWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public CustomersWindow()

{

InitializeComponent();

}

private void Added(object sender, RoutedEventArgs e)

{

AddingCustomers ac = new AddingCustomers();

ac.Show();

this.Close();

}

private void Delete(object sender, RoutedEventArgs e)

{

var result = MessageBox.Show("Вы точно хотите удалить выбранную запись?", "Удаление", MessageBoxButton.YesNo, MessageBoxImage.Question);

if (result == MessageBoxResult.Yes)

{

if (CustomersList.SelectedIndex >= 0)

{

Customers customers = (Customers)CustomersList.SelectedItem;

db.Customers.Remove(db.Customers.Single(q => q.IDCustomer == customers.IDCustomer));

db.SaveChanges();

CustomersList.ItemsSource = db.Customers.ToList();

}

}

}

private void Edit(object sender, RoutedEventArgs e)

{

db.SaveChanges();

}

public void Window\_Loaded(object sender, RoutedEventArgs e)

{

CustomersList.ItemsSource = db.Customers.ToList();

}

private void Backward(object sender, RoutedEventArgs e)

{

MenuWindow mw = new MenuWindow();

mw.Show();

this.Close();

}

}

}

Окно меню  
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для MenuWindow.xaml

/// </summary>

public partial class MenuWindow : Window

{

public MenuWindow()

{

InitializeComponent();

}

private void Authors(object sender, RoutedEventArgs e)

{

AuthorsWindow mw = new AuthorsWindow();

mw.Show();

this.Close();

}

private void Books(object sender, RoutedEventArgs e)

{

BooksWindow mw = new BooksWindow();

mw.Show();

this.Close();

}

private void Customers(object sender, RoutedEventArgs e)

{

CustomersWindow mw = new CustomersWindow();

mw.Show();

this.Close();

}

private void Orders(object sender, RoutedEventArgs e)

{

OrdersWindow mw = new OrdersWindow();

mw.Show();

this.Close();

}

private void Exit(object sender, RoutedEventArgs e)

{

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

}

}

}

Окно заказов  
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для OrdersWindow.xaml

/// </summary>

public partial class OrdersWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public OrdersWindow()

{

InitializeComponent();

}

private void Added(object sender, RoutedEventArgs e)

{

AddingOrders ao = new AddingOrders();

ao.Show();

this.Close();

}

private void Delete(object sender, RoutedEventArgs e)

{

var result = MessageBox.Show("Вы точно хотите удалить выбранную запись?", "Удаление", MessageBoxButton.YesNo, MessageBoxImage.Question);

if (result == MessageBoxResult.Yes)

{

if (OrdersList.SelectedIndex >= 0)

{

Orders orders = (Orders)OrdersList.SelectedItem;

db.Orders.Remove(db.Orders.Single(q => q.IDOrder == orders.IDOrder));

db.SaveChanges();

OrdersList.ItemsSource = db.Orders.ToList();

}

}

}

private void Edit(object sender, RoutedEventArgs e)

{

db.SaveChanges();

}

public void Window\_Loaded(object sender, RoutedEventArgs e)

{

OrdersList.ItemsSource = db.Orders.ToList();

}

private void Backward(object sender, RoutedEventArgs e)

{

MenuWindow mw = new MenuWindow();

mw.Show();

this.Close();

}

}

}

Окно регистрации

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для RegistrationWindow.xaml

/// </summary>

public partial class RegistrationWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public RegistrationWindow()

{

InitializeComponent();

}

private void RegistrationClick(object sender, RoutedEventArgs e)

{

Registr(Name.Text, Login.Text, Password.Password);

}

private void BackwardClick(object sender, RoutedEventArgs e)

{

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

}

public bool Registr(string Name, string Login, string Password)

{

if (Name == "" || Login == "" || Password == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return false;

}

if (db.Admininstration.Select(item => item.Login).Contains(Login))

{

MessageBox.Show("Возникла ошибка! Данный логин уже зарегистрирован в системе");

return false;

}

else

{

Admininstration NewAdmin = new Admininstration();

NewAdmin.Name = Name;

NewAdmin.Login = Login;

NewAdmin.Password = Password;

db.Admininstration.Add(NewAdmin);

db.SaveChanges();

}

MessageBox.Show("Вы успешно прошли регистрацию");

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

return true;

}

}

}

Unit-тесты

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Shapes;

namespace BookPublisher

{

/// <summary>

/// Логика взаимодействия для RegistrationWindow.xaml

/// </summary>

public partial class RegistrationWindow : Window

{

BookPublisherEntities db = new BookPublisherEntities();

public RegistrationWindow()

{

InitializeComponent();

}

private void RegistrationClick(object sender, RoutedEventArgs e)

{

Registr(Name.Text, Login.Text, Password.Password);

}

private void BackwardClick(object sender, RoutedEventArgs e)

{

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

}

public bool Registr(string Name, string Login, string Password)

{

if (Name == "" || Login == "" || Password == "")

{

MessageBox.Show("Возникла ошибка! Возможно вы не заполнили поля");

return false;

}

if (db.Admininstration.Select(item => item.Login).Contains(Login))

{

MessageBox.Show("Возникла ошибка! Данный логин уже зарегистрирован в системе");

return false;

}

else

{

Admininstration NewAdmin = new Admininstration();

NewAdmin.Name = Name;

NewAdmin.Login = Login;

NewAdmin.Password = Password;

db.Admininstration.Add(NewAdmin);

db.SaveChanges();

}

MessageBox.Show("Вы успешно прошли регистрацию");

AuthorizationWindow auth = new AuthorizationWindow();

auth.Show();

this.Close();

return true;

}

}

}