**ПРИЛОЖЕНИЕ 3**

1. Форма авторизации

using System.Linq;

using System.Text;

using System.Windows;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для Login.xaml

/// </summary>

public partial class Login : Window

{

public Login()

{

InitializeComponent();

}

readonly Registration registration= new Registration();

private void Login\_Click(object sender, RoutedEventArgs e)

{

StringBuilder errors = new StringBuilder();

using (var D\_b = new DreamsWorksEntities())

{

var mail = D\_b.Users.AsNoTracking().FirstOrDefault(i => i.Mail == textBoxEmail.Text);

var pass = D\_b.Users.AsNoTracking().FirstOrDefault(i => i.Mail == textBoxEmail.Text && i.Password == TxbPassword.Password);

if (mail == null)

{

errors.AppendLine("Почта не найдена!");

}

if (pass == null)

{

errors.AppendLine("Неверный пароль");

}

if (errors.Length > 0)

{

MessageBox.Show(errors.ToString());

}

if (errors.Length == 0)

{

MainWindow main = new MainWindow(pass);

main.Show();

this.Close();

}

}

}

private void ButtonRegister\_Click(object sender, RoutedEventArgs e)

{

registration.Show();

Close();

}

}

}

1. Форма регистрации

using System;

using System.Text.RegularExpressions;

using System.Windows;

namespace DreamsWork

{

public partial class Registration : Window

{

User user;

public Registration()

{

InitializeComponent();

user = new User();

DataContext = user;

}

private void Login\_Click(object sender, RoutedEventArgs e)

{

Login login = new Login();

login.Show();

Close();

}

private void button2\_Click(object sender, RoutedEventArgs e)

{

Reset();

}

public void Reset()

{

textBoxFirstName.Text = "";

textBoxLastName.Text = "";

textBoxEmail.Text = "";

passwordBox1.Password = "";

passwordBoxConfirm.Password = "";

textBoxRole.Text = "";

}

private void Close\_Click(object sender, RoutedEventArgs e)

{

Close();

}

private void Submit\_Click(object sender, RoutedEventArgs e)

{

if (textBoxEmail.Text.Length == 0)

{

errormessage.Text = "Enter an email.";

textBoxEmail.Focus();

}

else if (!Regex.IsMatch(textBoxEmail.Text, @"^[a-zA-Z][\w\.-]\*[a-zA-Z0-9]@[a-zA-Z0-9][\w\.-]\*[a-zA-Z0-9]\.[a-zA-Z][a-zA-Z\.]\*[a-zA-Z]$"))

{

errormessage.Text = "Enter a valid email.";

textBoxEmail.Select(0, textBoxEmail.Text.Length);

textBoxEmail.Focus();

}

else

{

if (passwordBox1.Password.Length == 0)

{

errormessage.Text = "Enter password.";

passwordBox1.Focus();

}

else if (passwordBoxConfirm.Password.Length == 0)

{

errormessage.Text = "Enter Confirm password.";

passwordBoxConfirm.Focus();

}

else if (passwordBox1.Password != passwordBoxConfirm.Password)

{

errormessage.Text = "Confirm password must be same as password.";

passwordBoxConfirm.Focus();

}

else

{

user.Password = passwordBox1.Password;

switch (textBoxRole.SelectedIndex)

{

case 0:

{

user.Role = "Administrator";

break;

}

case 1:

{

user.Role = "Manager";

break;

}

case 2:

{

user.Role = "User";

break;

}

}

DreamsWorksEntities.GetContext().Users.Add(user);

try

{

DreamsWorksEntities.GetContext().SaveChanges();

errormessage.Text = "";

MainWindow mainWindow = new MainWindow(user);

mainWindow.Show();

Close();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message.ToString());

}

Reset();

}

}

}

}

}

1. Страница отчета

using System.Linq;

using System.Windows;

using System.Windows.Controls;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для Otchet1.xaml

/// </summary>

public partial class Otchet1 : Page

{

public Otchet1()

{

InitializeComponent();

this.Loaded += new RoutedEventHandler(Otchet1\_Loaded);

}

private void Otchet1\_Loaded(object sender, RoutedEventArgs e)

{

DGridAgencies.ItemsSource = DreamsWorksEntities.GetContext().Agencies.ToList();

}

private void BtnEdit\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.Navigate(new AddEditPage2((sender as Button).DataContext as Agency));

}

}

}

1. Главная страница User

using System.Linq;

using System.Windows.Controls;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для UserPage.xaml

/// </summary>

public partial class UserPage : Page

{

public UserPage()

{

InitializeComponent();

DGridHolidays.ItemsSource = DreamsWorksEntities.GetContext().Types\_Events.ToList();

}

}

}

1. Главная страница менеджера

using System.Linq;

using System.Net.Cache;

using System.Windows;

using System.Windows.Controls;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для ManagerPage.xaml

/// </summary>

public partial class ManagerPage : Page

{

public ManagerPage()

{

InitializeComponent();

DGridHolidays.ItemsSource = DreamsWorksEntities.GetContext().Users.ToList();

}

private void BtnOtchet1\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.Navigate(new Otchet1());

}

private void Request\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.Navigate(new RequestPage());

}

}

}

1. Общее окно MainWindow

using System;

using System.Windows;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

User \_currentUser = new User();

public MainWindow(User user)

{

InitializeComponent();

\_currentUser = user;

Manager.MainFrame = MainFrame;

AssessRole();

}

private void AssessRole()

{

if (\_currentUser.Role == "Administrator")

{

MainFrame.Navigate(new AdminPage());

}

if (\_currentUser.Role == "Manager")

{

MainFrame.Navigate(new ManagerPage());

}

if (\_currentUser.Role == "User")

{

MainFrame.Navigate(new UserPage());

}

}

private void MenuFrame\_ContentRendered(object sender, EventArgs e)

{

if (MainFrame.CanGoBack)

{

BtnBack.Visibility = Visibility.Visible;

}

else

{

BtnBack.Visibility = Visibility.Hidden;

}

}

private void BtnBack\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.GoBack();

}

}

}

1. Главная страница администратора

using System;

using System.Linq;

using System.Windows;

using System.Windows.Controls;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для AdminPage.xaml

/// </summary>

public partial class AdminPage : Page

{

public AdminPage()

{

InitializeComponent();

this.Loaded += new RoutedEventHandler(AdminPage\_Loaded);

DGridAgencies.ItemsSource = DreamsWorksEntities.GetContext().Holidays.ToList();

}

private void AdminPage\_Loaded(object sender, RoutedEventArgs e)

{

DGridAgencies.ItemsSource = DreamsWorksEntities.GetContext().Holidays.ToList();

}

private void BtnEdit\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.Navigate(new AddEditPage((sender as Button).DataContext as Holiday));

}

private void BtnAdd\_Click(object sender, RoutedEventArgs e)

{

Manager.MainFrame.Navigate(new AddEditPage(null));

}

private void BtnDelete\_Click(object sender, RoutedEventArgs e)

{

var holidaysForRemoving = DGridAgencies.SelectedItems.Cast<Holiday>().ToList();

if(MessageBox.Show($"Вы точно хотить следующие {holidaysForRemoving.Count()} заявок?", "Внимание",

MessageBoxButton.YesNo, MessageBoxImage.Question) == MessageBoxResult.Yes)

{

try

{

DreamsWorksEntities.GetContext().Holidays.RemoveRange(holidaysForRemoving);

DreamsWorksEntities.GetContext().SaveChanges();

MessageBox.Show("Заявки удалены");

DGridAgencies.ItemsSource = DreamsWorksEntities.GetContext().Holidays.ToList();

}

catch (Exception ex)

{

MessageBox.Show(ex.Message.ToString());

}

}

}

}

}

1. Окно добавления заявки

using System;

using System.Text;

using System.Windows;

using System.Windows.Controls;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для AddEditPage.xaml

/// </summary>

public partial class AddEditPage : Page

{

private Holiday \_holidays = new Holiday();

public AddEditPage(Holiday selectedHoliday)

{

InitializeComponent();

if(selectedHoliday != null)

{

\_holidays = selectedHoliday;

}

DataContext = \_holidays;

}

private void BtnSave\_Click(object sender, RoutedEventArgs e)

{

StringBuilder errors = new StringBuilder();

DateTime now = DateTime.Now;

DateTime oneHourLater = now.AddHours(1);

if (\_holidays.Id\_Animator <= 0 && \_holidays.Id\_Animator > 11)

errors.AppendLine("Укажите правильно аниматора");

if (\_holidays.Date\_Holiday <= DateTime.Today.AddDays(-1))

errors.AppendLine("Дата не должна быть вчерашней или меньше текущей даты");

if (\_holidays.Date\_Holiday < oneHourLater)

errors.AppendLine("Укажите правильно время");

if (\_holidays.Garland < 0)

errors.AppendLine("Укажите правильно кол-во гирлянд");

if (\_holidays.PriceGarland <= 0)

errors.AppendLine("Укажите правильно цену гирлянд");

if (\_holidays.Firework < 0)

errors.AppendLine("Укажите правильно кол-во фейерверка");

if (\_holidays.PriceFirework <= 0)

errors.AppendLine("Укажите правильно цену фейерверка");

if (\_holidays.Petard < 0)

errors.AppendLine("Укажите правильно кол-во хлопушек");

if (\_holidays.PricePetard <= 0)

errors.AppendLine("Укажите правильно цену хлопушки");

if (\_holidays.Event == null)

errors.AppendLine("Укажите правильно мероприятие");

if (errors.Length > 0)

{

MessageBox.Show(errors.ToString());

return;

}

if (\_holidays.Id\_Holiday == 0)

DreamsWorksEntities.GetContext().Holidays.Add(\_holidays);

try

{

DreamsWorksEntities.GetContext().SaveChanges();

MessageBox.Show("Заявка добавлена!");

Manager.MainFrame.GoBack();

}

catch (Exception ex)

{

MessageBox.Show(ex.ToString());

}

}

}

}

1. Класс Manager

using System.Windows.Controls;

namespace DreamsWork

{

internal class Manager

{

public static Frame MainFrame { get; set; }

}

}

1. Код изменения и отображения среднего дохода

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.Navigation;

using System.Windows.Shapes;

namespace DreamsWork

{

/// <summary>

/// Логика взаимодействия для AddEditPage2.xaml

/// </summary>

public partial class AddEditPage2 : Page

{

private Agency \_agency = new Agency();

public AddEditPage2(Agency agency)

{

InitializeComponent();

if (agency != null)

{

\_agency = agency;

}

DataContext = \_agency;

}

private void BtnSave\_Click(object sender, RoutedEventArgs e)

{

StringBuilder errors = new StringBuilder();

if (\_agency.Price <= 0)

errors.AppendLine("Укажите правильно среднее значение");

if (errors.Length > 0)

{

MessageBox.Show(errors.ToString());

return;

}

try

{

DreamsWorksEntities.GetContext().SaveChanges();

MessageBox.Show("Средние расходы изменены!");

Manager.MainFrame.GoBack();

}

catch (Exception ex)

{

MessageBox.Show(ex.ToString());

}

}

}

}