Листинг 1 – Login

1. using System;
2. using System.Linq;
3. using System.Windows.Forms;
4. using PSO\_DB.Admin;
5. using PSO\_DB.Coordinator;
6. using PSO\_DB.OtherUsers;
7. using WindowsFormsApp1;
8. namespace PSO\_DB
9. {
10. public partial class Login : Form
11. {
12. public static user CurrentUser;
13. public Login()
14. {
15. InitializeComponent();
16. PasswordField.PasswordChar = Registration.PasswordChar;
17. }
18. private void EnglishKeyPress(object sender, KeyPressEventArgs e)
19. {
20. e.Handled = (e.KeyChar >= '!' && e.KeyChar <= '}') || (char.IsControl(e.KeyChar)) ? false : true;
21. }
22. private void AuthorizationButtonClick(object sender, EventArgs e)
23. {
24. if (string.IsNullOrEmpty(LoginField.Text))
25. {
26. MessageBox.Show("Введите логин!");
27. return;
28. }
29. if (string.IsNullOrEmpty(PasswordField.Text))
30. {
31. MessageBox.Show("Введите пароль!");
32. return;
33. }
34. var context = new PSOConnect();
35. var getUser = context.user.FirstOrDefault(user => user.login.Equals(LoginField.Text) && user.password.Equals(PasswordField.Text));
36. if (getUser == null)
37. {

Окончание листинга 1

1. var getLogin = context.user.FirstOrDefault(user => user.login.Equals(LoginField.Text));
2. var message = getLogin != null ? "Неверный пароль" : "Такого логина не существует";
3. MessageBox.Show(message);
4. }
5. else
6. {
7. var currentProfession = context.profession.FirstOrDefault(profession => profession.idProfession == getUser.idProfession).position;
8. ResetFields();
9. CurrentUser = getUser;
10. MessageBox.Show($"Добро пожаловать, {CurrentUser.family} {CurrentUser.name} {CurrentUser.middleName}");
11. if (currentProfession.Equals(Registration.Admin))
12. new AdminMenu(this);
13. else if (currentProfession.Equals(Registration.Coordinator))
14. new CoordinatorMenu(this);
15. else
16. new OtherUsersMenu(this);
17. Hide();
18. }
19. }
20. private void RegistrationButtonClick(object sender, EventArgs e)
21. {
22. ResetFields();
23. Hide();
24. new Registration(this);
25. }
26. private void LoginFormClosed(object sender, FormClosedEventArgs e)
27. {
28. ResetFields();
29. MessageBox.Show("Спасибо за то, что пользовались данной бд");
30. Environment.Exit(1);
31. }
32. private void ResetFields()
33. {
34. LoginField.Text = "";
35. PasswordField.Text = "";
36. }
37. }
38. }

Листинг 2 – Registration

1. using System;
2. using System.Linq;
3. using System.Windows.Forms;
4. using PSO\_DB.Admin;
5. using PSO\_DB.Coordinator;
6. using PSO\_DB.OtherUsers;
7. using System.Drawing;
8. using WindowsFormsApp1;
9. namespace PSO\_DB
10. {
11. public partial class Registration : Form
12. {
13. public const char PasswordChar = '\*';
14. public const string Admin = "Админ";
15. public const string Coordinator = "Координатор";
16. private const string AdminPassword = "Dryna1895245";
17. private const string CoordinatorPassword = "Dryna6938710";
18. private Login \_loginForm;
19. public Registration(Login loginForm)
20. {
21. InitializeComponent();
22. Show();
23. \_loginForm = loginForm;
24. InitProfession();
25. PasswordField.PasswordChar = PasswordChar;
26. AdminPasswordField.PasswordChar = PasswordChar;
27. CoordinatorPasswordField.PasswordChar = PasswordChar;
28. ReturnPasswordField.PasswordChar = PasswordChar;
29. }
30. private void InitProfession()
31. {
32. var context = new PSOConnect();
33. foreach (var profession in context.profession)
34. ProfessionField.Items.Add(profession.position);
35. if (ProfessionField.Items.Count > 0)
36. ProfessionField.SelectedIndex = 0;
37. }
38. private void EnglishKeyPress(object sender, KeyPressEventArgs e)
39. {
40. e.Handled = (e.KeyChar >= '!' && e.KeyChar <= '}') || (char.IsControl(e.KeyChar)) ? false : true;
41. }
42. private void RussianKeyPress(object sender, KeyPressEventArgs e)
43. {
44. e.Handled = e.KeyChar == '-'|| (e.KeyChar >= 'А' && e.KeyChar <= 'я') || (char.IsControl(e.KeyChar)) ? false : true;
45. }
46. private void EnableHandledKeyPress(object sender, KeyPressEventArgs e)
47. {
48. e.Handled = true;
49. }
50. private void RegistationButtonClick(object sender, EventArgs e)
51. {
52. if (string.IsNullOrEmpty(LoginField.Text))
53. {
54. MessageBox.Show("Введите логин!");
55. return;
56. }
57. if (string.IsNullOrEmpty(PasswordField.Text))
58. {
59. MessageBox.Show("Введите пароль!");
60. return;
61. }
62. if (string.IsNullOrEmpty(ReturnPasswordField.Text))
63. {
64. MessageBox.Show("Введите повторный пароль!");
65. return;
66. }
67. if (!PasswordField.Text.Equals(ReturnPasswordField.Text))
68. {
69. MessageBox.Show("Пароли не совпадают!");
70. return;
71. }
72. if (string.IsNullOrEmpty(FamilyField.Text))
73. {
74. MessageBox.Show("Введите фамилию!");
75. return;
76. }
77. if (string.IsNullOrEmpty(NameField.Text))
78. {
79. MessageBox.Show("Введите имя!");
80. return;
81. }
82. if (string.IsNullOrEmpty(MiddleNameField.Text))
83. {
84. MessageBox.Show("Введите отчество!");
85. return;
86. }
87. if (ProfessionField.SelectedItem.Equals(Admin) && string.IsNullOrEmpty(AdminPasswordField.Text))
88. {
89. MessageBox.Show("Введите пароль админа!");
90. return;
91. }
92. if (ProfessionField.SelectedItem.Equals(Admin) && !AdminPasswordField.Text.Equals(AdminPassword))
93. {
94. MessageBox.Show("Неверный пароль админа!");
95. return;
96. }
97. if (ProfessionField.SelectedItem.Equals(Coordinator) && string.IsNullOrEmpty(CoordinatorPasswordField.Text))
98. {
99. MessageBox.Show("Введите пароль координатора!");
100. return;
101. }
102. if (ProfessionField.SelectedItem.Equals(Coordinator) && !CoordinatorPasswordField.Text.Equals(CoordinatorPassword))
103. {
104. MessageBox.Show("Неверный пароль координатора!");
105. return;
106. }
107. RegistrationUser();
108. }
109. private void RegistrationUser()
110. {
111. var context = new PSOConnect();
112. var user = context.user.FirstOrDefault(findUser => findUser.login.Equals(LoginField.Text));
113. if (user != null)
114. {
115. MessageBox.Show("Пользователь с таким логином уже существует, измените логин!");
116. return;
117. }
118. ar lastIdUser = context.user.Count() > 0 ? context.user.Max(users=>users.idUser) : 0;
119. var idProfession = context.profession.FirstOrDefault(profession => profession.position.Equals(ProfessionField.SelectedItem.ToString())).idProfession;
120. var currentUser = new user
121. {
122. idUser = lastIdUser + 1,
123. login = LoginField.Text,
124. password = PasswordField.Text,
125. family = FamilyField.Text,
126. name = NameField.Text,
127. middleName = MiddleNameField.Text,
128. idProfession = idProfession
129. };
130. Login.CurrentUser = currentUser;
131. context.user.Add(currentUser);
132. context.SaveChanges();
133. MessageBox.Show("Пользователь успешно добавлен!");
134. if (ProfessionField.SelectedItem.Equals(Admin))
135. new AdminMenu(\_loginForm);
136. else if (ProfessionField.SelectedItem.Equals(Coordinator))
137. new CoordinatorMenu(\_loginForm);
138. else
139. new OtherUsersMenu(\_loginForm);
140. ResetFields();
141. Hide();
142. }
143. private void ProfessionFieldSelectedIndexChanged(object sender, EventArgs e)
144. {
145. if (ProfessionField.SelectedItem.Equals(Admin))
146. {
147. AdminPasswordText.Show();
148. AdminPasswordField.Show();
149. CoordinatorPasswordField.Hide();
150. CoordinatorPasswordText.Hide();
151. CoordinatorPasswordField.Text = "";
152. }
153. else if (ProfessionField.SelectedItem.Equals(Coordinator))
154. {
155. AdminPasswordText.Hide();
156. AdminPasswordField.Hide();
157. CoordinatorPasswordField.Show();
158. CoordinatorPasswordText.Show();
159. AdminPasswordField.Text = "";
160. }
161. else
162. {
163. AdminPasswordText.Hide();
164. AdminPasswordField.Hide();
165. CoordinatorPasswordField.Hide();
166. CoordinatorPasswordText.Hide();
167. AdminPasswordField.Text = "";
168. CoordinatorPasswordField.Text = "";
169. }
170. }
171. private void BackButtonClick(object sender, EventArgs e)
172. {
173. Hide();
174. ResetFields();
175. \_loginForm.Show();
176. }
177. private void RegistrationFormClosed(object sender, FormClosedEventArgs e)
178. {
179. ResetFields();
180. \_loginForm.Show();
181. }
182. private void ResetFields()
183. {
184. LoginField.Text = "";
185. PasswordField.Text = "";
186. AdminPasswordField.Text = "";
187. CoordinatorPasswordField.Text = "";
188. ReturnPasswordField.Text = "";
189. FamilyField.Text = "";
190. NameField.Text = "";
191. MiddleNameField.Text = "";
192. ProfessionField.Items.Clear();
193. }
194. }
195. }