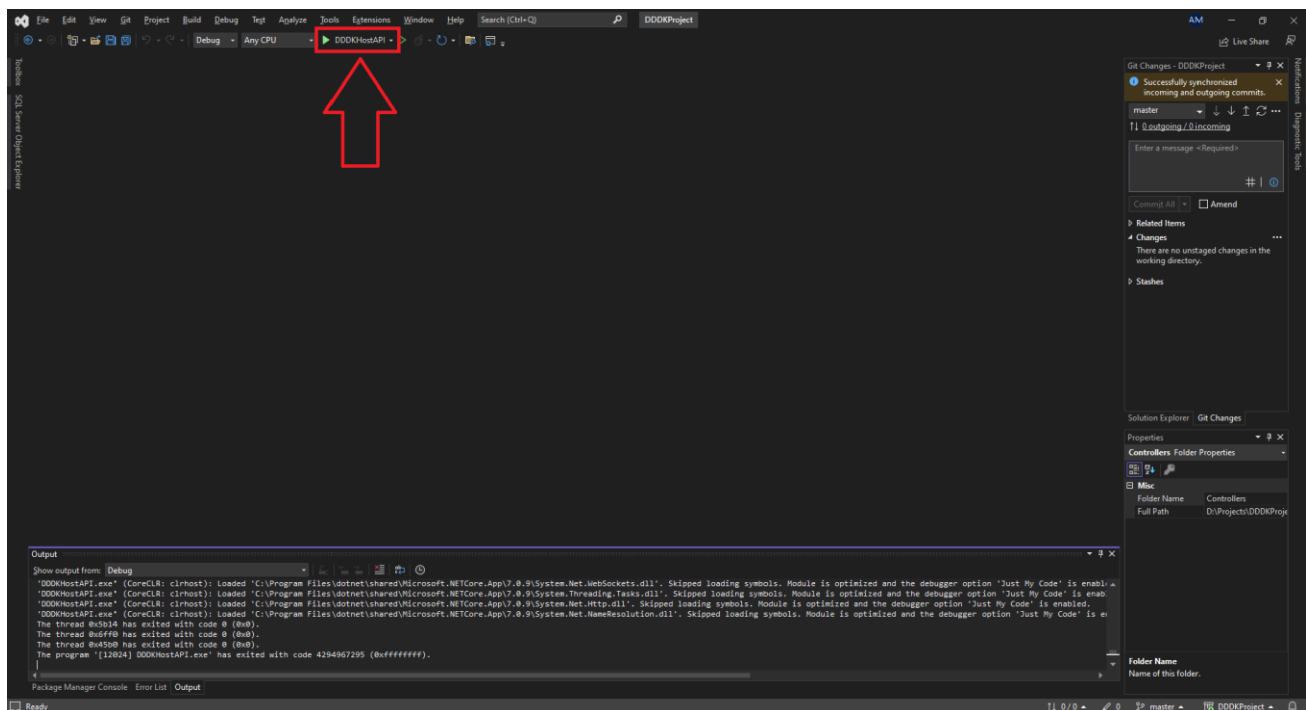


DDDK app for blood donations management insturction manual

Hello and welcome to the instruction manual for the **DDDK demo application**! This app is not hosted anywhere, but there are others that are, and you can check them out in my portfolio site at <https://aleksandar-matic.web.app/skillsandprojects>. Once you open it, scroll a little bit down and check those with web page links.

1. Backend

Backend is actually an **asp.net web api** made in C#. Database is already included as a project file. Open *DDDKHostApi* solution file and press *F5*, or go to *Debug* menu bar option and select *Start Debugging*. And that's it! Web browser window with every endpoint configuration displayed will show up, command prompt with serilog displaying what's going on in the background will also show up, and you're good to go!



2. Frontend

Open *DDDK_Wpf solution file* and, again, press *F5* to start the app. It will display the following window:

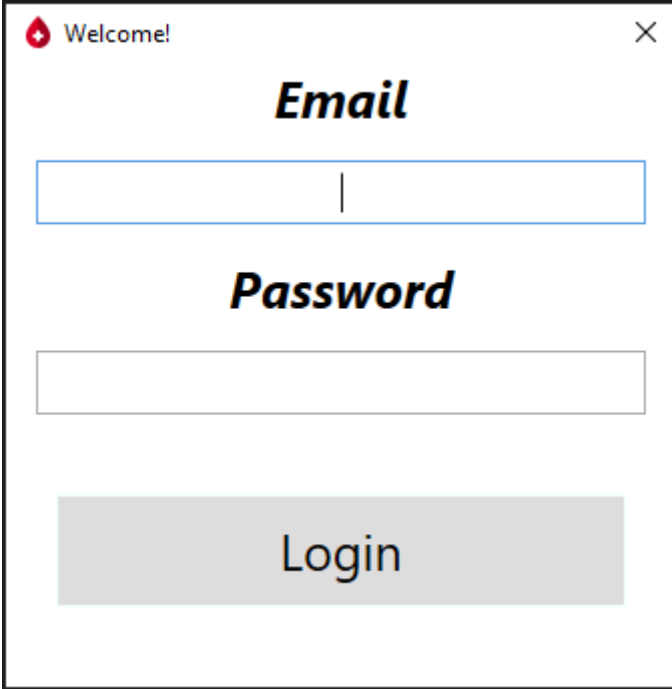
A screenshot of a Windows application window titled "Welcome!". The window has a standard Windows title bar with a red icon on the left and a close button (X) on the right. The main content area is white and contains the following elements: the word "Email" in a large, bold, italicized black font; a text input field with a blue border and a vertical cursor; the word "Password" in a large, bold, italicized black font; another text input field with a gray border; and a large, light gray rectangular button with the word "Login" in black text centered on it.

Image 1: Login window

Type in *Email* and *Password*. For this purpose, considering database is already generated and loaded, type in the following data:

Username: admin@dddk.org

Password: Admin@417302

If you're of the administrator role, and if you used previous credentials to log in you most certainly are, you'll get the following menu:

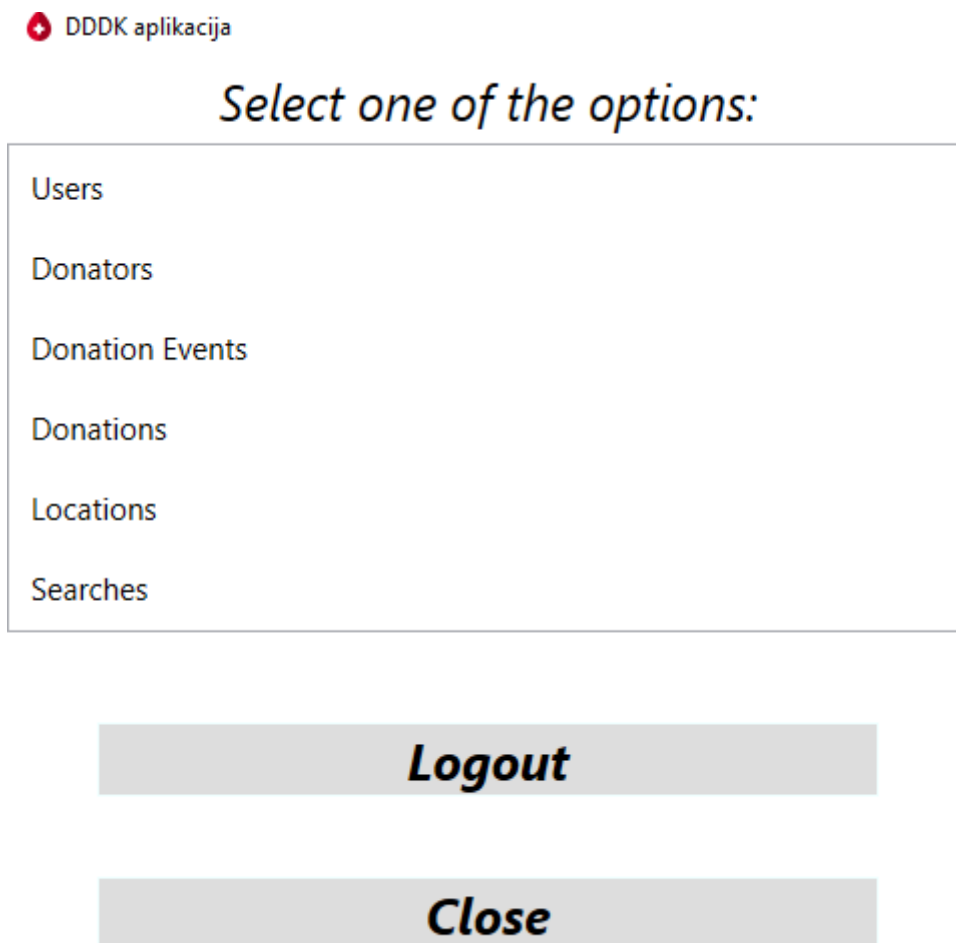


Image 2: Main menu

The difference between moderators and administrators is option number one: *Users*. If you log in as a moderator, you won't see it at all and won't be able to manipulate with users allowed to use the app. That's it. Everything else is the same for both roles. If you click on the *Users* option, you'll get the following appearance:

DDDK aplikacija

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

mod@dddk.org - Mod

mod1@dddk.org - Mod

admin@dddk.org - Admin

admin2@dddk.org - Admin

ID

Role

Email

New

Save

Edit

Delete

Once you click on any of the names rounded with red square, interface on the right side will fill in with data and you'll be able to delete the user or change his username or password, or change the role. If you press *New* button, the interface will be enabled and you'll be able to input any data of a new user you're registering. Everything is pretty self explanatory once you start using it.

If you select *Donators*, *Donations* or *Locations*, the interface will pretty much be the same, and you'll be able to do the very same CRUD operation like in the previous example. Here's an example of loaded interface for *Donators* option:

DDDK aplikacija

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

Nikolina Aleksic

Mitar Becic

Mitar Becic

Mirko Bojic

Ivan Djordjevic

Nikolina Djordjevic

Dejan Ivkovic

Neven Ivkovic

Uros Ivkovic

Ivan Jokanovic

Nikolina Jokanovic

Mitar Jovic

Dejan Lalic

Dejan Lalic

Ivana Lalic

Bojan Markovic

Mitar Markovic

Sandra Petrovic

Aleksandra Popovic

Jovana Stevanovic

Nevena Stevic

Slavko Stevic

Zeljka Stevic

Aleksandar Stojkovic

ID

First Name

Last Name

Email

Birth Date

Address

Phone Number

Blood Type

Previous Donations

8

Nikolina

Djordjevic

NikolinaDjordjevic792331423@gmail.com

24.01.1964

Dinastije Obrenovic 73

065/848-276

A-

18

New

Save

Edit

Delete

Bear in mind Date type is used in serbian/bosnian/croatian etc. format: dd.MM.yyyy. Of course, in database, it is saved in standard SQL format: MM/dd/yyyy.

If you click on *Donation Events* option on the left, things are a little bit different and the menu looks like this:

DDDK aplikacija

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

Batković - 21.08.2019

Batković - 28.07.2023

Bijeljina - Dašnjica 1 - 08.10.2019

Bijeljina - Dašnjica 1 - 25.07.2023

Bijeljina - Dašnjica 1 - 10.11.2018

Bijeljina - Vuk Karadzic skola - 21.08.2017

Bijeljina - Vuk Karadzic skola - 16.05.2015

Branjevo - 01.01.2020

Branjevo - 02.04.2015

Donje Crnjelovo - 28.02.2019

Donje Crnjelovo - 06.12.2015

Dvorovi - Banja - 24.06.2021

Dvorovi - Banja - 26.03.2018

Dvorovi - Banja - 12.11.2018

Dvorovi - škola - 27.06.2016

Magnojević - 18.04.2019

Magnojević - 25.03.2018

Magnojević - 18.06.2017

Patkovača - 10.05.2017

Patkovača - 10.01.2017

Velika Obarska - 12.08.2019

Velika Obarska - 17.12.2015

ID

19

Location

Bijeljina - Dašnjica 1

Date

08.10.2019

Description

Akcija dobrovoljnog darovanja krvi
br. 18

New

Save

Edit

Delete

ID	Donator name	Did donate
12	Nikolina Aleksic	<input checked="" type="checkbox"/>
3	Mitar Becic	<input type="checkbox"/>
21	Mitar Becic	<input type="checkbox"/>
15	Mirko Bojic	<input type="checkbox"/>
7	Ivan Djordjevic	<input type="checkbox"/>
8	Nikolina Djordjevic	<input type="checkbox"/>
2	Dejan Ivkovic	<input type="checkbox"/>
30	Neven Ivkovic	<input type="checkbox"/>
27	Uros Ivkovic	<input type="checkbox"/>
23	Ivan Jakanovic	<input type="checkbox"/>
17	Nikolina Jakanovic	<input checked="" type="checkbox"/>
25	Mitar Jovic	<input checked="" type="checkbox"/>
1	Dejan Lalic	<input type="checkbox"/>
11	Dejan Lalic	<input type="checkbox"/>
14	Ivana Lalic	<input checked="" type="checkbox"/>
24	Bojan Markovic	<input checked="" type="checkbox"/>
20	Mitar Markovic	<input type="checkbox"/>
19	Sandra Petrovic	<input type="checkbox"/>
22	Aleksandra Popovic	<input type="checkbox"/>
4	Jovana Stevanovic	<input checked="" type="checkbox"/>
29	Nevena Stevic	<input type="checkbox"/>
26	Slavko Stevic	<input type="checkbox"/>
13	Zeljka Stevic	<input checked="" type="checkbox"/>
18	Aleksandar Stojkovic	<input checked="" type="checkbox"/>
9	Aleksandra Stojkovic	<input checked="" type="checkbox"/>
5	Dejan Tadic	<input checked="" type="checkbox"/>
28	Ivan Tanaskovic	<input type="checkbox"/>
6	Ivana Tanaskovic	<input type="checkbox"/>
16	Marija Tanaskovic	<input type="checkbox"/>
10	Neven Tanaskovic	<input type="checkbox"/>

As you can see, it's similar to the previous ones, but you can see every person donating blood on that particular event. In case you want to edit donators, just click on *Edit* button and select everyone who donated blood on that specific donation event. Same goes when you're adding a new donating event. In case you delete certain donation event, every donation connected to that event will also be deleted.

If you click on *Searches* on the left, you'll be able to search all the data based on certain criterias.

DDDK aplikacija

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

By donating availability

By donor

By donation event

Select blood type

Donating availability

☐ Available ones

Reset form

ID	First name	Last name	Email	Phone number	Blood type	Last donation	Total donations
12	Nikolina	Aleksic	NikolinaAleksic1211252397@gmail.com	065/376-735	A+	25.07.2023	22
3	Mitar	Becic	MitarBecic501237232@gmail.com	065/595-961	O+	21.08.2019	17
21	Mitar	Becic	MitarBecic1264220816@gmail.com	065/888-925	AB+	01.01.2020	10
15	Mirko	Bojic	MirkoBojic101560506@gmail.com	065/390-193	B+	24.06.2021	17
7	Ivan	Djordjevic	IvanDjordjevic1822315695@gmail.com	065/966-769	O+	25.07.2023	16
8	Nikolina	Djordjevic	NikolinaDjordjevic792331423@gmail.com	065/848-276	A-	28.07.2023	24
2	Dejan	Ivkovic	DejanIvkovic1407598415@gmail.com	065/768-700	A+	18.04.2019	15
30	Neven	Ivkovic	NevenIvkovic1058554250@gmail.com	065/887-739	O-	28.07.2023	26
27	Uros	Ivkovic	UrosIvkovic1553616651@gmail.com	065/318-439	AB-	28.02.2019	6
23	Ivan	Jokanovic	IvanJokanovic947332160@gmail.com	065/288-399	A+	28.07.2023	28
17	Nikolina	Jokanovic	NikolinaJokanovic1442604654@gmail.com	065/788-966	A+	01.01.2020	13
25	Mitar	Jovic	MitarJovic816575905@gmail.com	065/176-663	O-	08.10.2019	26
1	Dejan	Lalic	DejanLalic1921000009@gmail.com	065/421-839	AB+	01.01.2020	24
11	Dejan	Lalic	DejanLalic1185025398@gmail.com	065/179-619	A+	01.01.2020	23
14	Ivana	Lalic	IvanaLalic1284667572@gmail.com	065/142-630	AB+	08.10.2019	17
24	Bojan	Markovic	BojanMarkovic1384154158@gmail.com	065/516-744	A+	25.07.2023	8
20	Mitar	Markovic	MitarMarkovic1632380195@gmail.com	065/205-414	B+	24.06.2021	15
19	Sandra	Petrovic	SandraPetrovic328810608@gmail.com	065/824-335	A+	18.04.2019	21
22	Aleksandra	Popovic	AleksandraPopovic355859244@gmail.com	065/342-246	AB-	28.07.2023	21
4	Jovana	Stevanovic	JovanaStevanovic653417260@gmail.com	065/113-650	AB-	08.10.2019	22
29	Nevena	Stevic	NevenaStevic1459169646@gmail.com	065/962-550	O-	18.04.2019	24
26	Slavko	Stevic	SlavkoStevic1111217866@gmail.com	065/976-267	A+	24.06.2021	21
13	Zeljka	Stevic	ZeljkaStevic98602067@gmail.com	065/924-240	A+	28.07.2023	19
18	Aleksandar	Stojkovic	AleksandarStojkovic487589247@gmail.com	065/934-931	AB+	01.01.2020	16
9	Aleksandra	Stojkovic	AleksandraStojkovic1326566077@gmail.com	065/764-579	O-	01.01.2020	17
5	Dejan	Tadic	DejanTadic1596002669@gmail.com	065/562-625	A+	24.06.2021	22
28	Ivan	Tanaskovic	IvanTanaskovic1882093608@gmail.com	065/463-366	O+	28.07.2023	19
6	Ivana	Tanaskovic	IvanaTanaskovic166879211@gmail.com	065/740-342	O+	24.06.2021	20
16	Marija	Tanaskovic	MarijaTanaskovic1756391511@gmail.com	065/525-340	O-	21.08.2019	16
10	Neven	Tanaskovic	NevenTanaskovic26767992@gmail.com	065/425-133	A-	25.07.2023	11

By donating availability will allow you to search for any donator who is of certain blood type, or is able to donate (meaning it passed more than 4 months since previous donating), or both.

If you select *By donator* option, input some search data (in following example it's "Aleks" as a part of the first name), and then select any name from the list displayed below input fields, you'll get their personal data, as well as every donation made by that donator.

DDDK aplikacija

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

By donating availability

By donator

By donation event

Search for donator

ID:

First name:

Aleks

Last name:

Search

22 - Aleksandra Popovic

18 - Aleksandar Stojkovic

9 - Aleksandra Stojkovic

First name:

Aleksandar

Last name:

Stojkovic

Phone number:

065/934-931

Blood type:

AB+

Last donation date:

01.01.2020

Donation date	Location	
27.06.2016	Dvorovi - škola	
21.08.2019	Batković	
08.10.2019	Bijeljina - Dašnjica 1	
01.01.2020	Branjevo	

If you select *By donation event*, search for any and click on it, you'll get every donator donating blood at that specific event, as well as data about the event itself.

DDDK aplikacija

— □ ×

Select one of the options:

Users

Donators

Donation Events

Donations

Locations

Searches

Logout

Close

By donating availability By donator By donation event

Search for donation event
Location:

Bije

Date:

Search

Bijeljina - Dašnjica 1 - 08.10.2019

Bijeljina - Dašnjica 1 - 25.07.2023

Bijeljina - Dašnjica 1 - 10.11.2018

Bijeljina - Vuk Karadzic skola - 21.08.2017

Bijeljina - Vuk Karadzic skola - 16.05.2018

< >

Location:

**Bijeljina - Vuk
Karadzic skola**

Date:

21.08.2017

No. of Donators:

12

Name	Blood type	
Mitar Becic	AB+	
Dejan Ivkovic	A+	
Uros Ivkovic	AB-	
Ivan Jokanovic	A+	
Mitar Markovic	B+	
Aleksandra Popovic	AB-	
Jovana Stevanovic	AB-	
Nevena Stevic	O-	
Zeljka Stevic	A+	
Ivana Tanaskovic	O+	
Marija Tanaskovic	O-	
Neven Tanaskovic	A-	

And that's it! Small, simple, yet very useful application. It's not perfectly pretty, but it's more than functional. In case you want to see my other apps as well, head down to my portfolio web site mentioned at the start of this manual, and go to the Skills and projects page.