VIVUS

(Blood Donation Application)

**Team Composition:**

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**Short Problem Description**

The problem is about the development of a medical application which should facilitate and smooth the whole blood donation process.

The application may be composed of the following entities:

Donor -> Donation Center Personal -> Doctor -> Administrator -> Owner

The **owner** is a super administrator and above that he should be able to:

* Login
* Add administrators
* Remove administrators

The **administrator** is a manager of the application and is able to:

* Login
* Add doctors
* Disable doctors
* Add donation centers
* Disable donation centers
* Add personnel to donation centers
* Disable donation centers personal

The **doctor’s** work should be eased by assuring that the management of blood requests is a piece of cake and also by making the track of blood request come naturally even for a novice user. He is able to:

* Login
* Update profile
* View patients
* Add patients
* Choose patients
* Dismiss patients
* Change patients status (alive/dead)
* Request blood from donation centers
* Cancel blood requests from donation centers
* Track blood request from donation centers
* Return requested blood to donation centers

The **donation center personal’s** work is ensured to be lightened by easy management of resources (containers) and by utterly efficient management of blood requests. He is able to:

* Login
* Update profile
* Redirect blood requests
* Process blood requests
* Redirect blood requests
* Request blood donations
* Evaluate donation form
* Add blood supplies
* Remove blood supplies
* Send blood donation results

The **donor** is encouraged to donate by being shown the physical benefits of blood donation and moreover by the possibility of checking at any time their donation results by means of blood analysis. He is able to:

* Sign up
* Login
* See reasons to donate
* Update profile
* View donations history
* Apply for donation
* View application status
* Cancel application
* View analysis status

Overall the application will provide a ranking system for blood requests from donors,

a ranking system for blood requests from donation centers,

rank donation centers by relative distance and availability and

encourage donations.

The application assures: security(personal data stays private, users have specific permissions), accuracy(reliable ranking systems), performance(real-time interaction - max 5 seconds), low cost(respect the budget), usability(user-friendly UI/UX), reusability(well defined project structure, clean and maintainable code).

The project was developed in **five** iterations:

First iteration:

* Wide discussion of the project(problems we may encounter, technologies and tools which we will use, design of the application, architecture of the application and so on…)

Second iteration:

* Team brainstorming about diagrams learned
* Work at the required diagrams as sub-teams(tasks divided evenly)

Third iteration:

* Split evenly the tasks(in means of complexity) for the user-interface(Pages)
* Bind the user-interface with the business logic(View Models)
* Implement the interface fields validation

Forth iteration:

* Split evenly the tasks(in means of complexity) for the business logic(View Models)
* Implement functionalities of the business logic

Fifth iteration:

* Testing the most important methods of the application
* Writing the application’s documentation

**Technologies used**

**Modeling:**

For the modeling part of the development, StarUML was used. StarUML is an open-source software modeling tool aimed to support agile and concise modeling. Since the tool supports most of the diagram types specified in UML 2.0, it made the modeling phase of the development much smoother.

**IDE:**

We aimed for developing a desktop application, making use of tools developed my Microsoft. One of the first decisions made regarding implementation was about the IDE. We decided to use Visual Studio. This IDE enables easy application development for all platforms, in any language, especially for platforms and languages also developed by Microsoft, like the ones we chose. Also, the extensions provided by Visual Studio saved considerable amounts of time when it came to writing code.

**Programming language, UI:**

In terms of programming languages, C# was chosen, because it is a widely-used general-purpose object-oriented language, commonly used for developing desktop applications. In order to keep consistent with the family of technologies used, the UI was made in the Windows Presentation Foundation framework. WPF is a UI framework used to create desktop client applications, and it is a subset of the .NET framework. From one hand, WPF proved to be a good choice from the chosen programming language’s point of view, from the other hand WPF supports a broad set of application development feature that we made good use of during development.

**ORM:**

As Object-Relational-Mapper, we chose to use Entity Framework 7. This framework provides two approaches to create the context and entities of the application in a consistent manner. We used the database first approach. By doing so, we were able to flexibly modify the entities of the application as well on the code, as well on the database level, which helped in keeping the code clean and transparent.

**Data persistency:**

For our data storage we used a service called GearHost, which provides a variety of hosting services, including web hosting for MSSQL. The main reason that led us to host our database on a remote server was that it provided a way of accessing our data in a consistent manner which proved to be especially useful during our application development. As such, GearHost was a rather straightforward choice as its services were completely free to use and reliable.

**Version Control:**

The choice of a version control system was one of the first decision which had to be made to enable team collaboration and independent development of the project. We have decided at the beginning to use a private GitHub repository for this purpose as it allowed each member to make their contributions accessible to the other team members and it made available a clean history of the changes and additions. The reason we have chosen GitHub is that it had a clean and easy to use interface on both web and desktop platforms, and that it had the possibility of working on a private repository which ensured that only the developers had access to the development process.

**Task management:**

The other important aspect of the team collaboration lied within how the individual tasks of the members had been managed and kept track of. Trello has proven itself as being a very powerful tool for this purpose, as it made it very easy and straightforward to attribute tasks and to manage the existing ones based on their current status, so that at any point all team members were aware of their current responsibilities and deadlines.

**Usage Scenarios**

Usage scenario for Login as a Donor:

|  |  |
| --- | --- |
| **Use case name** | Login |
| **Paticipating actor** | Donor (User of the application) |
| **Flow of events** | 1. The Donor enters the username and password in the required fields of the Login form 2. The Donor presses the “Login” button 3. The Donor is logged in to his/her accounts |
| **Entry condition** | The Donor has a valid account and access to the application (and internet connection) |
| **Exit condition** | The Donor is successfully logged into the application and can access his/her account |
| **Quality requirements** | If the Login fails or the data entered by the Donor is invalid, the application will notify him/her about it |

Usage scenario for Sign Up as a Donor:

|  |  |
| --- | --- |
| **Use case name** | Sign Up |
| **Paticipating actor** | Donor (User of the application) |
| **Flow of events** | 1. The Donor enters data in the required fields of the Sign Up form (including its email and password) 2. The Donor presses the “Sign up” button 3. The data provided by the Donor is processed and validated in the application |
| **Entry condition** | The Donor has access to the application and can use it (e.g. has internet connection) |
| **Exit condition** | The Donor can log in to his/her account |
| **Quality requirements** | If the Register fails or the data entered by the Donor is invalid, the application will notify him/her about it |

Usage scenario for Blood Donation as a Donor:

|  |  |
| --- | --- |
| **Use case name** | Apply for donation |
| **Participating actor** | Donor (User of the application) |
| **Flow of events** | 1. The Donor enters data in the required fields of the Donation form (e.g. data regarding his health condition) 2. The Donor selects a Donation Center 3. The Donor presses the “Send” button 4. The data provided by the Donor is processed and stored in a repository in order to be updated |
| **Entry condition** | The Donor has access to the application and is already logged into his account |
| **Exit condition** | The Donor receives a notification from the application showing that operation has been successful |
| **Quality requirements** | If the operation of sending the donation form fails, the application will notify him/her about it |

Usage Scenario for Doctor: Request blood:

|  |  |
| --- | --- |
| **Use case name** | Request blood |
| **Participating actor** | Doctor |
| **Flow of events** | 1.The doctor enters the details of the request(e.g. no. red cells, plasma, priority etc.)  2.Presses the “Send” button  3.The data provided in the request is stored in a repository in order to be later processed |
| **Entry condition** | The doctor is logged into his account |
| **Exit condition** | The doctor receives a notification from the application showing that operation has been successful |
| **Quality requirements** | If the operation of sending the request fails, the application will notify him/her about it |

Usage Scenario for Donation Center Personnel: update profile

|  |  |
| --- | --- |
| **Use case name** | Update Profile |
| **Participating actor** | Donation Center(personnel) |
| **Flow of events** | 1.The donation center personnel presses the “Update Profile” button  2.Edits his/her details  3.Presses the “Update” button  4.The data of the personnel is changed according to the update request |
| **Entry condition** | The dc personnel is logged into his account |
| **Exit condition** | The dc personnel is alerted about the success of the operation |
| **Quality requirements** | In case of unsuccessful update(ex. invalid data) the personnel is notified about the issue |

**Testing scenarios**

|  |  |
| --- | --- |
| Test-case identifier | AddModify\_OnAdd\_ReturnsOne |
| Test location | Vivus.Core.Administration.UnitTests/AdministratosViewModelTests |
| Feature to be tested | Add an admin |
| Feature pass/fail criteria | Test passes if the admin is added successfully |
| Means of control | The AddModifyAsync() method is called via a viewModel |
| Data | The attributes of the viewModel are filled with mock data  After the method is called the number of admins is 1 |
| Test procedure | The test is started by selecting Test -> Run. The test will run without further intervention until completion. The test should not take more than 8 seconds. |
| Special requirements |  |

|  |  |
| --- | --- |
| Test-case identifier | ApproveOrRejectDonation\_OnNoSelection\_ReturnsAll |
| Test location | Vivus.Core.DCPersonnel.UnitTests/BloodDonationRequestsViewModelTests |
| Feature to be tested | Approve or reject a donation |
| Feature pass/fail criteria | Test passes if all the approved or rejected donations are returned |
| Means of control | The ApproveOrRejectDonation() method is called via a viewModel |
| Data | The list of donation requests is filled with mock data  After the method is called the donation request is approved/rejected and the number of donations is checked |
| Test procedure | The test is started by selecting Test -> Run. The test will run without further intervention until completion. The test should not take more than 8 seconds. |
| Special requirements |  |

|  |  |
| --- | --- |
| Test-case identifier | Add\_OnApply\_ApplyForDonationFormScenario1 |
| Test location | Vivus.Core.Donor.UnitTests/ApplyViewModelTests |
| Feature to be tested | Apply for donation |
| Feature pass/fail criteria | Test passes if all there are no errors and the number of donation forms has increased |
| Means of control | The ApplyAsync() method is called via a viewModel |
| Data | The attributes of the viewModel are filled with mock data  After the method is called the number of donation forms is checked |
| Test procedure | The test is started by selecting Test -> Run. The test will run without further intervention until completion. The test should not take more than 8 seconds. |
| Special requirements |  |

|  |  |
| --- | --- |
| Test-case identifier | AddModify\_OnAddEmpty\_ReturnsZero |
| Test location | Vivus.Core.Administration.UnitTests/DoctorsViewModelTests |
| Feature to be tested | Add a doctor with no attributes |
| Feature pass/fail criteria | Test passes if the doctor is not added |
| Means of control | The AddModifyAsync() method is called via a viewModel |
| Data | The attributes of the viewModel are not filled  After the method is called the number of doctors is the same |
| Test procedure | The test is started by selecting Test -> Run. The test will run without further intervention until completion. The test should not take more than 8 seconds. |
| Special requirements |  |

**Administrator Tutorial**

**Account management**

**How do you log in?**

As an administrator, you have access to other platform administrators management, donation center personnel management, doctors management and more.

Follow the steps below to have a full experience with Vivus as an Administrator.

**You first need to be logged in.**

**Login**

Enter your administrator email, your password and press the “Sign in” button.

In case you don’t remember your password, go to *Forgot your password* option and follow the instructions.

**Administrators management**

**How to add new admins?**

For adding new administrators to your platform, you need to follow some simple steps. First, go to *Administrators* and there you are able to both see all currently registered members of administration and add new administration members.

In order for a new administration member to be registered on the platform, you will need to fill his/her credentials.

**Account credentials**

**Email:** the email of the new administrator

**Password:** the password of new administrator’s choice

**Administrator status:** only check the **Active** field if the new administrator is still active on the platform and manages its environment, otherwise you might let a past administrator still have access to your system.

**Observation:** The status of admins can be changed later.

**Personal credentials**

**First name:** enter the new administrator’s first legal name as per his/her passport

**Last name:** enter the new administrator’s last legal name, as per his/her passport

**Birth date:** fill this field with his/her registered birth date

**National Identification Number:** administrator’s unique personal national ID

**Phone number:** administrator’s phone number where he/she can be contacted also for emergency platform matters

**Gender:** new administrator’s gender

**Address**

**Street name:** fill this field with new administrator’s legal street name as per his/her passport

**Street number:** fill this field with new administrator’s legal street number as per his/her passport

**City:** fill this field with new administrator’s legal city as per his/her passport

**County:** fill this field with new administrator’s legal residency county

**Zip code:** fill with new administrator address postal/zip code

Press *Add* button and the new administration member will appear in the list below, which means he/she has obtained Vivus Administration Membership successfully.

**Observation:** If the new member does not appear in the administrator’s list or you have encountered an error message, check for the above fields to be filled correctly and you can try again.

**Donation Centers Personnel**

**How to add new donation center members?**

**Account credentials**

**Email:** the email of the new member

**Password:** the password of new member‘s choice

**Donation Center:** the donation center the new member belongs to

**Status:** only mark it as active if the new member has activity inside the donation center

**Observation:** The status of members can be changed later.

**Personal credentials**

**First name:** enter the new member’s first legal name as per his/her passport

**Last name:** enter the new member’s last legal name, as per his/her passport

**Birth date:** fill this field with his/her registered birth date

**National Identification Number:** member’s unique personal national ID

**Phone number:** member’s phone number where he’she can be contacted also for emergency platform matters

**Gender:** new member’s gender

**Address**

**Street name:** fill this field with new member’s legal street name as per his/her passport

**Street number:** fill this field with new member’s legal street number as per his/her passport

**City:** fill this field with new member’s legal city as per his/her passport

**County:** fill this field with new member’s legal residency county

**Zip code:** fill with new member address postal/zip code

Press *Add* button and the new donation center personnel member will appear in the list below, which means he/she has obtained Vivus Donation Centers Personnel Membership successfully.

**Observation:** If the new member does not appear in the donation center members list or you have encountered an error message, check for the above fields to be filled correctly and you can try again.

**Doctors**

**How to add new doctors?**

**Account credentials**

**Email:** the email of the new doctor

**Password:** the password of new doctor‘s choice

**Donation Center:** the donation center the new doctor belongs to

**Status:** only mark it as active if the new doctor has activity inside the donation center

**Observation:** The status of doctors can be changed later.

**Personal credentials**

**First name:** enter the new doctor’s first legal name as per his/her passport

**Last name:** enter the new doctor’s last legal name, as per his/her passport

**Birth date:** fill this field with his/her registered birth date

**National Identification Number:** doctor’s unique personal national ID

**Phone number:** doctor’s phone number where he’she can be contacted also for emergency platform matters

**Gender:** new doctor’s gender

**Work Address**

**Street name:** fill this field with new doctor’s work street name

**Street number:** fill this field with new doctor’s work street number

**City:** fill this field with new doctor’s work city

**County:** fill this field with new doctor’s work county

**Zip code:** fill with new doctor work address postal/zip code

**Home Address**

**Street name:** fill this field with new doctor’s legal street name as per his/her passport

**Street number:** fill this field with new doctor’s legal street number as per his/her passport

**City:** fill this field with new doctor’s legal city as per his/her passport

**County:** fill this field with new doctor’s legal residency county

**Zip code:** fill with new doctor address postal/zip code

Press *Add* button and the new doctor will appear in the list below, which means he/she has obtained Vivus Doctors Membership successfully.

**Observation:** If the new doctor does not appear in the doctors list or you have encountered an error message, check for the above fields to be filled correctly and you can try again.

**Donation Centers**

**How to add new donation centers in Vivus evidence?**

**Donation center name:** fill this field with the new donation center name

**Address**

**Street name:** fill this field with donation center street name

**Street number:** fill this field with donation center legal street number

**City:** fill this field with new donation center city

**County:** fill this field with new donation center residency county

**Zip code:** fill with new donation center address postal/zip code

Press *Add* button and the new donation center will appear in the list below, which means it has obtained Vivus Donation Centers Membership successfully.

**Observation:** If the new donation center does not appear in the donation centers list or you have encountered an error message, check for the above fields to be filled correctly and you can try again.

**DCPersonnel Tutorial**

**Personal account management**

As amember of Donation Center Personnel, you have access to blood donation process management including blood requests, analysis results, blood donation results and more.

Follow the steps below to have a full experience with Vivus as a Donation Center Member.

**You first need to be logged in.**

**Login**

Enter your member email, your password and press the “Sign in” button.

In case you don’t remember your password, go to *Forgot your password* option and follow the instructions.

**Personal profile management**

**How to keep your profile page updated?**

Once you have obtained the Donation Center Membership, your profile credentials will be in their initial form they had at the registration.

In order to update your profile status, here’s what you can do.

**Account credentials**

Email address should not be changed.

**Password:** fill with your new password (deprecated update)

**Personal credentials**

**First name:** enter your new first legal name as per your passport

**Last name:** enter your new last legal name, as per your passport

**Birth date:** fill this field with your registered birth date

**National Identification Number:** can not be changed, since it is unique and has been added at the registration

**Phone number:** your new phone number where you can be contacted also for emergency platform matters

**Gender:** can not be changed, since it is unique and has been added at the registration

**Address**

**Street name:** fill this field with your new legal street name as per your passport

**Street number:** fill this field with your new legal street number as per your passport

**City:** fill this field with your new legal city as per your passport

**County:** fill this field with your new legal residency county

**Zip code:** fill with your new address postal/zip code

Press *Update* button and the updates on your profile will be available, which means your profile page has been successfully updated.

**Blood Donation Requests**

**How to manage donation requests from potential donors?**

As a member of a donation center, you can manage blood donation requests from potential donors and proceed with further processes accordingly.

In Blood Donation Request, you have a list of requests waiting for approval.

Select one in order to make an approval decision.

**Once you have selected a request, you can read particular data from Donor: first name, last name, age, weight, heart rate.**

**Past surgeries are also at your disposal to check, together with donor’s travel status which implies certain levels of tiredness. In order to approve this request, you need to validate donor’s request and provide the specialized EVALUATION RESULT in the provided field. The next step is to approve donor’s request, by pressing the *Approve* or *Deny* button accordingly. Once a donation request is approved, the donor who initiated this request enters the pool of *Persons who Care* and goes further in the donation process.**

**Blood Requests**

**How to provide medical centers with blood for their patients?**

As a Donation Center Personnel member, you also have the responsibility to manage blood requests from medical centers.

Vivus helps you do this in small amount of time.

The following steps will show you how.

As the above Blood Requests page shows, the *All requests* table allows you to see all requests directed to your donation center from all medical centers that need blood for their patients.

Each request has informations containing: the doctor who initiated the request, the priority of current request, the number of thrombocytes needed, the number of red cells needed, quantity of plasma, quantity of blood and blood type.

Once you select a request from the list of requests, you can select from the list of available containers above the ones that suit the request best or you can redirect the request to other donation center, which you can select from the list *Donation Center redirect.*

By pressing *Redirect* the request will be redirected to the donation center you selected.

Once you press *Finish*, the request will be marked as handled and will disappear from donation center’s request list.

**Manage Blood**

**How do you manage the available blood from your donation center?**

You can add a new blood container to your evidence on *Manage blood* page.

All you need to do is select the type of container from *Container type*, give this container a unique identification code by filling the *Container code* field, select blood type from *Blood type* list, select Rh type from *Rh type* and associate it with a harvest date, by completing the *Harvest date* field.

Now press *Add*.

If everything was completed correctly, you should see the new blood container in the list with Containers.

**Request donation**

You can also make a blood request by selecting the Blood type you need and the Rh, and then press *Request* button.

**Notifications**

**How to send messages to any person in your field of interest?**

It is now easy for you to send messages and notifications to any type of person in your evidence, including donors, doctors and donation center members.

Go to *Notifications* page, select the social status of the person you want to notify, select this person’s name and enter his/her national identification number (for security reasons).

Then complete the *Message* field with informations you want to send to this person.

Press *Send* and your message will be sent successfully, provided every field was correctly completed.

Below you also have a list of your notifications, received from other donation center members.

**Doctor Tutorial**

**Personal account management**

**How do you log in?**

As an doctor, you have access to your patients, donation center personnel, request sending, request monitoring and more.

Follow the steps below to have a full experience with Vivus as a Doctor.

**You first need to be logged in.**

**Login**

Enter your initial registration email, your password and press the “Sign in” button.

In case you don’t remember your password, go to *Forgot your password* option and follow the instructions.

**Profile page**

**Manage personal profile data**

Once you have obtained the Doctors Membership, your profile credentials will be in their initial form they had at the registration.

In order to update your profile status, here’s what you can do.

**Account credentials**

Email address should not be changed.

**Password:** fill with your new password (deprecated update)

**Personal credentials**

**First name:** enter your new first legal name as per your passport

**Last name:** enter your new last legal name, as per your passport

**Birth date:** fill this field with your registered birth date

**National Identification Number:** can not be changed, since it is unique and has been added at the registration

**Phone number:** your new phone number where you can be contacted also for emergency platform matters

**Gender:** can not be changed, since it is unique and has been added at the registration

**Home Address**

**Street name:** fill this field with your new legal street name as per your passport

**Street number:** fill this field with your new legal street number as per your passport

**City:** fill this field with your new legal city as per your passport

**County:** fill this field with your new legal residency county

**Zip code:** fill with your new address postal/zip code

**Work Address**

**Street name:** fill this field with your new work street name

**Street number:** fill this field with your new work street number

**City:** fill this field with your new work city

**County:** fill this field with your new work county

**Zip code:** fill with your new work address postal/zip code

Press *Update* button and the updates on your profile will be available, which means your profile page has been successfully updated.

**Manage blood**

**How do you manage blood that is in your evidence?**

As you send requests for blood, you are also able to decide which container you need or is safe to use.

When managing blood that is in your evidence, you can either dismiss the container (for various reasons, like blood in it is expired) or return it to the donation center from where it came, so that the blood can be redirected to medical centers where the request number is growing.

Just select one container and press *Dismiss* for deleting it from your evidence and making sure it is not used anymore or *Return* for returning it to its source donation center.

**Notifications**

**How to send messages to any person in your field of interest?**

It is now easy for you to send messages and notifications to any type of person in your evidence, including donors, doctors and donation center members.

Go to *Notifications* page, select the social status of the person you want to notify, select this person’s name and enter his/her national identification number (for security reasons).

Then complete the *Message* field with informations you want to send to this person.

Press *Send* and your message will be sent successfully, provided every field was correctly completed.

Below you also have a list of your notifications, received from other donation center members or doctors.

**Blood requests**

**How to make a new blood request for your patients?**

With Vivus you can easily make blood requests for your patients in need and monitor your requests’ status.

**Create new request**

In order to create a new request, you need to select your patient from the list of *Patients*, set a *Priority* for this request and fill the *Thrombocytes, Red cells, Plasma* and *Blood* quantities respectively, according to the particular situation.

Press *Add* and your request should be successfully sent.

**Track a request**

In order to track a request,track the table from the bottom of the page. There you can find all the information needed to visualize the current state of the request.

**CDC:** Current Donation Center. Last Donation Center that contributed to your request.

**DCN:** Donation Centers Number. The number of Donation Centers that contributed to your request.

**Patients**

**How do you manage your patients?**

As a Doctor, you have access to both all registered patients and your chosen patients. You can choose new patients for your evidence, add new patients to all registered patients pool and also remove patients from your evidence.

By going to patients page, you will have two lists: *All patients* and *My patients.*

*All patients* provides an evidence of all registered patients pool.

*My patients* list represents your patients pool.

**Choosing a patient**

You can choose a new patient by selecting him/her from *All patients* list and click *Choose.* Now this new patient is in your evidence. Congratulations!

Note: If you’re looking for a specific patient, and can’t find him, you can use our filter field to filter either by name or national identification number.

**Adding a patient**

Press *Add* button and you will be redirected to *Patient details* page where you will complete patient’s credentials following the instructions provided and add a new patient to your evidence.

**Removing a patient from your evidence**

Select one patient from your patients list and click *Dismiss* to remove this patient from your evidence, so other doctors can take care of him/her.

**Modifying a patient**

In order to modify the details about a patient, you can double click on his row and a popup containing all the information about the patient will show.

**Donor Tutorial**

**Personal account management**

**How do you log in?**

As a donor, you have access to your donation history, donation request sending, request monitoring and more.

Follow the steps below to have a full experience with Vivus as a Donor.

**You first need to be logged in.**

**Login**

**How do you register if you don’t have a Vivus account?**

If you don’t have an account yet, please register to benefit from all advantages of using your Vivus donating app.

**Account credentials**

**Email:** fil this field with your email addressl

**Password:** fill with your password

**Personal credentials**

**First name:** enter your first legal name as per your passport

**Last name:** enter your last legal name, as per your passport

**Birth date:** fill this field with your registered birth date

**National Identification Number:** enter your national unique ID, as per your passport

**Phone number:** your new phone number where you can be contacted for updates of your donation status

**Gender:** choose your gender

**Home Address**

**Street name:** fill this field with your legal street name as per your passport

**Street number:** fill this field with your legal street number as per your passport

**City:** fill this field with your legal city as per your passport

**County:** fill this field with your legal residency county

**Zip code:** fill with your address postal/zip code

**Relocation Address**

(in case you are not currently living at the address provided in your identity card)

**Street name:** fill this field with this location’s street name

**Street number:** fill this field with this location’s street number

**City:** fill this field this location’s city

**County:** fill this field this location’s county

**Zip code:** fill with this location’s address postal/zip code

Press *Register* button and your profile will be available, which means you have been successfully registered.

**Profile Page**

**How to update your profile page?**

Once you have obtained the Donors Membership, your profile credentials will be in their initial form they had at the registration.

In order to update your profile status, here’s what you can do.

**Account credentials**

Email address can not be changed, since it is your registration key.

**Password:** fill with your new password (deprecated update)

**Personal credentials**

**First name:** enter your new first legal name as per your passport

**Last name:** enter your new last legal name, as per your passport

**Birth date:** fill this field with your registered birth date

**National Identification Number:** can not be changed, since it is unique and has been added at the registration

**Phone number:** your new phone number where you can be contacted also for emergency platform matters

**Gender:** can not be changed, since it is unique and has been added at the registration

**Home Address**

**Street name:** fill this field with your new legal street name as per your passport

**Street number:** fill this field with your new legal street number as per your passport

**City:** fill this field with your new legal city as per your passport

**County:** fill this field with your new legal residency county

**Zip code:** fill with your new address postal/zip code

**Work Address**

**Street name:** fill this field with your new optional street name

**Street number:** fill this field with your new optional street number

**City:** fill this field with your new optional city

**County:** fill this field with your new optional county

**Zip code:** fill with your new optional address postal/zip code

Press *Update* button and the updates on your profile will be available, which means your profile page has been successfully updated.

**Apply**

**How do you make a donation request?**

You need to enter more specific data related to your health status and parameters.

First, fill the *Physical situation* fields: your current weight, current average heart rate and blood pressure (please make sure these are health parameters established together with your doctor).

Specifically, if you are a woman, please check the fields that match your current situation: *Currently pregnant* if you are pregnant, *Currently menstruating* or *Gave birth in past 6 months*.

For the next 3 fields, please check the answer that fits your current status best, by selecting either *Yes* or *No*.

For the following question, please check your medical history and mark all diseases from the list that you have been suffering from.

*Have you had past surgeries?*

It is recommended to answer this question especially if you had past surgeries of any type.

*Have you travelled in a foreign country in the past 3 months?*

You are encouraged to answer more detailed to this question, especially if you have travelled abroad recently. Please specify the countries you have visited, the approximate amount of time spent there (also a specific region you visited if possible). This information will be used to check if further investigations or a postponement would be needed in order to proceed with the donation process.

**History**

**See your health status at each donation request**

You just need to enter the *History* page and see your personal health data, given in terms of date, weight, heart rate, systolic BP and diastolic BP, together with the approval status for your requests.