**BloodyFast**

**DONATE & DISTRIBUTE. FAST.**

We have been tasked with the development of a blood donation application to enable its users to more easily manage the entire process of the donation. The application is to be designed to benefit each actor that may be involved in the donation process; therefore it is an application that can be used by donors and doctors alike.

The implementation of said application began by thoroughly investigating the given task in order to outline the actors and their roles in the flow of the app. There are three main actors which have to be accounted for: the donor, the doctor and the staff of the donation center, each with their own roles and restrictions. (e.g. a donor cannot donate if they do not meet certain health requirements, a doctor will manage blood requests and the donation center personnel will manage donors and their blood’s journey)

The development of the application was simultaneous, in the way that tasks were assigned in order for the project to progress on all fronts. Team members would take care of issues regarding the front end, the back end, the testing and the specification based on assigned tasks in order for the application to evolve evenly and in an efficient manner.

We are proud to have developed a user friendly, flexible application that molds based on the type of user that is logged in.

It enables anyone willing to donate blood to create an account, answer a number of general questions, fill in their credentials, and then have the rest of the issues taken care of. The application will inform its users of their ability to donate, the next recommended time for them to do so, and where to do it. If any questions regarding donation conditions were to arise, a variety of them are answered through a FAQ page, and if the questions remain unanswered, a contact page provides a direct way to reach an answer.

Furthermore, the application brings benefits to specialized personnel, as they can much more easily manage donations, as they can request blood based on their needs, and also see its availability. Doctors can easily communicate with donation personnel in order to have access to blood requests and their status. The donation center staff is able to see the closest compatible donor and attribute donations based on the information.

The application is the ideal solution for any user, regardless of their computer skills or expertise, as it is intuitive, friendly and fairly simple to use. We have solved the tasks as a team, and we are proud to have done it BloodyFast.