

PROGmasters Fundraiser App

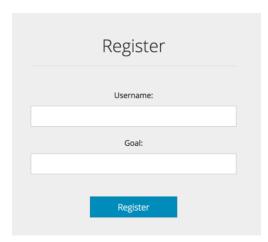
(Spring REST + ReactJS)

The task is to create a fundraising application that handles transfers from bank accounts to special caritative goals to support them.

After registration, a user is logged in automatically and has an account with a predefined amount (5000) of credits (or dollars).

The login is bound to an IP address, it means that from the same client/same IP address there's no possibility to log in twice.

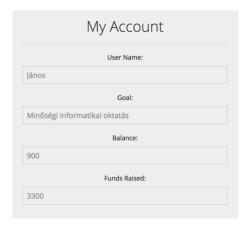
1. Registration screen



The first screen is the Registration screen, the user has to enter his/her user name and define a goal. This goal is the noble cause that the user wants to support.

2. My account screen

The home screen (My account) shows the details of the user's account: user name, goal, balance (amount the user can spend), funds (amount that is received from other accounts). It lists all the transfers this account was involved in (either as source or target).

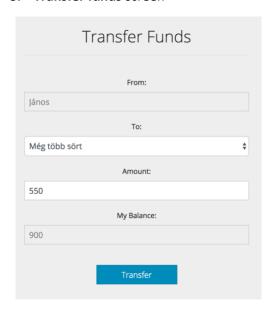


Every account has a subaccount for this noble cause that acts like a fund. In general, it means that incoming transfers to the user's account will be added to this fund. In the same way, when the user transfers money to someone else's account, the amount of the transfer will be added to the target fund.

This screen also displays the transfers related to this account:

My Transfers					
Incoming	:				
From	То	Amount	Date		
lvett	Minőségi informatikai oktatás	100	2018-09-02 08:49:03		
lvett	Minőségi informatikai oktatás	1000	2018-09-02 09:04:21		
lvett	Minőségi informatikai oktatás	100	2018-09-02 09:25:03		
Outgoing:					
From	То	Amount	Date		
János	Még több sört	1000	2018-09-02 12:50:25		
János	Vidék fejlesztése	1000	2018-09-02 12:50:32		

3. Transfer funds screen



The "Transfer funds" page is for making the transfers from one account to another. The source account is fixed (Transfer from) to the actual user's account. The target can be selected from a dropdown list, and it's the list of the other logged in users. The logged in user cannot make a transfer to him/herself. The amount can be between 50 and 1000, and cannot go below 0. With hitting the "Transfer" button a new transfer will be saved in the system that contains the source and target accounts, the amount and a timestamp.

4. Accounts screen

Accounts					
Goal	Name	Remaining balance	Funds raised		
Minőségi	János	900	3300		
informatikai oktatás Cuki cicáknak gazdát	lvett	3700	2650		
Még több sört	Géza	3950	1600		
Vidék fejlesztése	Feri	2900	1000		

The "Accounts" screen shows all the accounts sorted by funds in descending order, and all transfers that happened so far in the system sorted by creation date (latest first). This page refreshes itself every 10 seconds to show the changes.

The "Accounts" screen also shows all the transfers sorted by date in descending order.

All Transfers					
From	То	Amount	Date		
lvett	Minőségi informatikai oktatás	100	2018-09-02 08:49:03		
lvett	Minőségi informatikai oktatás	1000	2018-09-02 09:04:21		
lvett	Minőségi informatikai oktatás	100	2018-09-02 09:25:03		
lvett	Minőségi informatikai oktatás	100	2018-09-02 12:14:51		
Géza	Cuki cicáknak gazdát	50	2018-09-02		