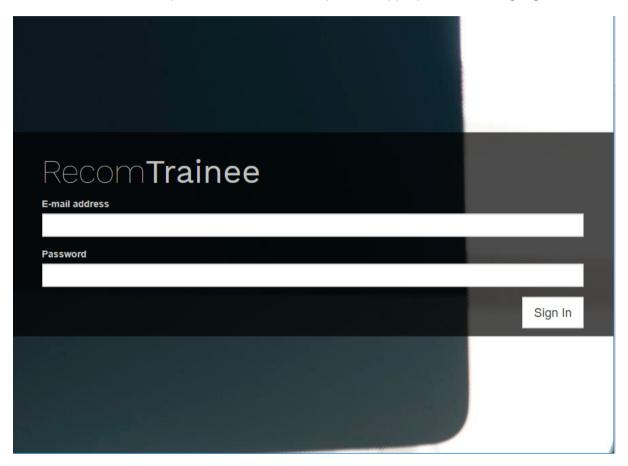
Project allocation

We developed a web application to support the project allocation process of the internship programmes of CEMS universities. Development was done within a research project of the Mechanism Design Research Group of the MTA-IE (Institute of Economics, Centre for Economic and Regional Studies of the Hungarian Academy of Sciences), see more at our website (http://mechanismdesign.eu/). We aimed to automate most of the processes, leaving the end users with the only task of describing their preferences. Allocation suggestions are created based on these preferences with the help of the appropriate matching algorithms.



The allocation for internship programmes in every year is handled separately for each university, that we call a "campaign". Users are assigned to the campaigns and are allowed to update their preferences while the current campaign is active.

Users are identified by their e-mail addresses, and they can set and modify their basic properties. There are four different types of users, each with different privileges.

The Administrator can create, modify and delete any other entity from the database.

The university **Coordinators** are granted admin like privileges within the bounds of the campaigns that they are associated with. Coordinators can create, configure or delete students and company representative users manually or in bundle based on a simple excel sheet. They are also supported by our system admins, if necessary.

Recom Trainee Coordinator Area	Welcome, Adm	in User!	19:30
Projects Companies i≣ List	Students		± ~
	Full name	E-mail address	Role
	User, Student1	student1@user.com	Student
	User, Student2	student2@user.com	Student
	User, Student3	student3@user.com	Student

The **Student** users can set the preferred order of the companies in a give active campaign. They are only allowed to update their preferences between the starting and ending date of the campaign.

Recom Trainee	Welcome, Student1 User!	•		19:14	
Test Campaign 1	Campaigns	20	18. 06. 28.	1	~ ~
Test Camp	aign 1				
Campaign Preferences					-
Your preference		Clear	Reset	Save	ļ
#1 Test Project 1 Test Company 1, (null)				>	
#2 Test Project 2				-	
Test Company 1, (null)				>	-

The **Company Representative** users are similar to students. Their main function is to evaluate the students during an active campaign. The representatives assign scores to the students instead of ordering them. They are also allowed to modify the details of the company that they represent.

`o_'	1	Trainee Welcome, Representative1 User! 19:57 ampaign 1 My Account 2018.06.28 1	× 1
		Campaign 1	
Campaig	gn	Preferences	•
Your p	ore	ference Refresh	
Your char	nges	will be saved automatically.	
Ę	ō	User, Student1 This is the detailed information	l
-	7	User, Student2 This is the detailed information	Ŧ

The allocation suggestions are created within a few days after the campaign ends and are sent to the coordinator.

The application has a simple, clean user interface, that is optimised for different screen sizes. The administration process is further supported by a built in messaging system.

The current version of the application was built with different demands of the universities in mind. Further development plans include real time statistics and dashboards for the coordinators and immediate results by including the matching algorithms in the web application itself. We plan to include wide configuration options for the different campaigns, and we are prepared to include any special criterion that the coordinators find necessary.