Usability Testing:

For the usability testing we selected 12 people from different backgrounds.

Programmers, politicians, educators, businessmen, military personnel and medical personnel.

Everyone was given the website and a number of tasks:

1. Enter the Demo tab and run the algorithm with a simple example to choose from.
2. Go to the Upload File tab and run the algorithm by uploading a file.
3. Download the template file and fill it out.
4. Switch between the various pages on the website.

After completing the tasks we asked each one what tasks he had succeeded in and in addition we asked to answer a number of questions related to the experience he had during his acquaintance with our platform:

1. Do you think the website is needed?
2. Is the website user-friendly?
3. Describe faults/difficulties you experienced during use:
4. Were you able to learn about the algorithm through using the website?

It is important to note that initially no further explanations were given about the website itself nor for the algorithm, the purpose was to see if the selected sample group would be able to use the website and undersstand its purpose on their own.

The sample group answers are presented in tables starting from the next page.

Questionnaire analysis and conclusions:

It can be seen that most of the respondents describe the website as friendly, well-designed and easy to operate and orient.

As we expected, respondents with a programming background understood the algorithm and its use relatively easily while others had little difficulty understanding it but noted that the 'Learn More' page simplifies and explains the algorithm and its results in simple language that anyone can understand.

An analysis of the questionnaires shows that the problematic page on the website is the 'Upload File' page.

A number of respondents had difficulty filling in the template file.

While others had difficulty understanding the purpose of the page and how to use it properly.

As a result, we redesigned the page, added explanations and steps to follow.

We also simplified the template filling and added restrictions and explanations in the exel file itself.

Name: Shlomo

Profession: Adviser to the Mayor

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	I think the initiative is good and the use of the website is important and necessary for our company			
Is the website user-friendly?	The website is accessible and very user-friendly, the simplicity of the website is very important mainly because it may be used for elections of any kind.			
Describe faults/difficulties you experienced during use:	At first, I did not understand how to fill the template file but after downloading the full template I was able to understand more about how to fill it.			
Were you able to learn about the algorithm through using the website?	After running the Demo, I got the results explained and was able to understand a bit more about the algorithm, but using the website without reading the explanation of the algorithm is a more difficult.			

Name: Chaim

Profession: Factory manager

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	As a factory manager I think this website can be used for other types of elections and that's a nice thing.			
Is the website user-friendly?	The website is very friendly and simple to use.			
Describe faults/difficulties you experienced during use:	I did not encounter any difficulties. The website is very clear but I think it is possible to add more functionality in the future (maybe it will be possible to do it through a phone application).			
Were you able to learn about the algorithm through using the website?	I understood the idea of the algorithm from one of the programmers of the website, after I understood the idea, I had a very simple understanding of the way the algorithm works on the website.			

Name: Lilach

Profession: Company manager

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	The idea seems very interesting but unfortunately, I do not think it will be used to elect ministers in the government.			
Is the website user-friendly?	The website is very easy to use, everything is accessible and well explained.			
Describe faults/difficulties you experienced during use:	I did not encounter any difficulties. Both the demo and the upload file were very clear.			
Were you able to learn about the algorithm through using the website?	I understood the explanation given after calculating the results, but I needed an in-depth explanation from one of the website's programmers to understand the idea better.			

Name: Naama

Profession: School counselor

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	I think the idea is very interesting and can be used for elections of any kind - like for school committees.			
Is the website user-friendly?	The website is nicely designed but I think of the "simple person" it is a bit difficult to understand what an algorithm is and the explanations on the website are friendly but I am sure they are clearer for people who come from this field of intrest.			
Describe faults/difficulties you experienced during use:	The difficulty during use was to understand the results of the algorithm.			
Were you able to learn about the algorithm through using the website?	I understood the explanation given after calculating the results, but I needed an in-depth explanation from one of the website's programmers to understand the idea better.			

OUR GOVERNMENT
every vote counts

Name: Shahar

Profession: computer science student

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	I think this is a great idea and I would love to take part in the election of ministers in the government.			
Is the website user-friendly?	The website is very simple, clear and well designed for the user.			
Describe faults/difficulties you experienced during use:	There were no difficulties.			
Were you able to learn about the algorithm through using the website?	The algorithm is well understood and explained on the results page.			

Name: Hila

Profession: Nurse

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	X	V	V
Do you think the website is needed?	The website is important because it creates an initiative to change the current elections, which are not agreed by most of the citizens.			
Is the website user-friendly?	The website is very friendly but the design should be more governmental.			
Describe faults/difficulties you experienced during use:	The main difficulty was to understand how to download the template file, fill it in and uploading it back to the website.			
Were you able to learn about the algorithm through using the website?	Understanding the algorithm was not easy but the results document really tries to simplifies it.			

Name: Roee

Profession: Councilor

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	The idea of the website is interesting, but it has problems, if the ministers are elected, a situation can arise in which every vote of the government will fall due to the lack of understanding between the parties.			
Is the website user-friendly?	The website is very simple and user-friendly. Despite that, I think it is quite requested to program the platform as an app for the smartphone since most of the population uses the internet through their phones and not from a laptop.			
Describe faults/difficulties you experienced during use:	I did not have any problems, but I would add more explanations on each page, maybe videos that explain how to use the website correctly.			
Were you able to learn about the algorithm through using the website?	The idea of the algorithm is difficult to understand if you have no background. The results page provides information but I would like more information.			

Name: Yoav

Profession: Ministry of Defense employee

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	The website is interesting and the idea even more, the real question is whether a government like ours can afford to elect the ministers in that way.			
Is the website user-friendly?	The website is very user friendly, as a Ministry of Defense employee, if the website reaches these levels, they will need to add elements of security.			
Describe faults/difficulties you experienced during use:	I have not encountered any difficulties and the website is very simple and convenient.			
Were you able to learn about the algorithm through using the website?	I tried to understand their algorithm through the results but it was difficult with no background, waiting for the research paper to go up on the site.			

Name: Lidia

Profession: Spokeswoman for the mayor

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	X	X	V
Do you think the website is needed?	A great idea and maybe you can even apply it first to city council elections.			
Is the website user-friendly?	The website is very simple but I think it would be better to work with an application. It will be great if there would be an app in the future			
Describe faults/difficulties you experienced during use:	I did not have any problems but I would give up downloading the template file and uploading it and do it within the website itself			
Were you able to learn about the algorithm through using the website?	Maybe to understand the algorithm itself I need to be from the world of computer science, but I understood its general idea.			

Name: Liel

Profession: Military officer

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	I think the website is important, today there are a lot of coalition agreements that harm the purity of the election, the website can change the way it exists today.			
Is the website user-friendly?	The website is very easy to use and in the more complicated parts to use, there is an explanation.			
Describe faults/difficulties you experienced during use:	There were no difficulties, missing a video explaining the use of the website.			
Were you able to learn about the algorithm through using the website?	Using Demo was very nice and helped me a lot to understand the algorithm idea especially the "Learn More" page.			

Name: **Adir**

Profession: **Personal security guard**

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	X	V	V
Do you think the website is needed?	The idea is nice but for governments the website will have less use, might be useful for local elections and so on.			
Is the website user-friendly?	The website is simple for the user, it was a bit difficult to figure out how to use the full template file.			
Describe faults/difficulties you experienced during use:	The full template file was a bit tricky to understand but other than that there were no difficulties.			
Were you able to learn about the algorithm through using the website?	The idea of the algorithm is very understandable and together with the page "Learn more" you can try to understand it in depth.			

Name: Gadi

Profession: IT manager

Tasks:	Run the demo using your own example	Upload file	Download the template file	Switching between pages
	V	V	V	V
Do you think the website is needed?	In my opinion the website is very important and if the state accepts its implementation on it, the citizens will benefit.			
Is the website user-friendly?	The website is easy to use and well explained.			
Describe faults/difficulties you experienced during use:	In my opinion, too many files are downloaded to your computer while using the site, you should think of another way.			
Were you able to learn about the algorithm through using the website?	The website is well explained and so is the algorithm, for the simple person the explanation is excellent.			