Prototyping and User Testing

1. Prototyping

Header: Contains the home button of the website, and when logged in, contains the user account management link. In some pages it also contains additional information.

Footer: Contains a few useful links (support, CentroGeo homepage, etc.).

Login page: Contains a user login form with fields for the username and password, a login button and a "forgot password" button. Shown only to users who are not logged in.
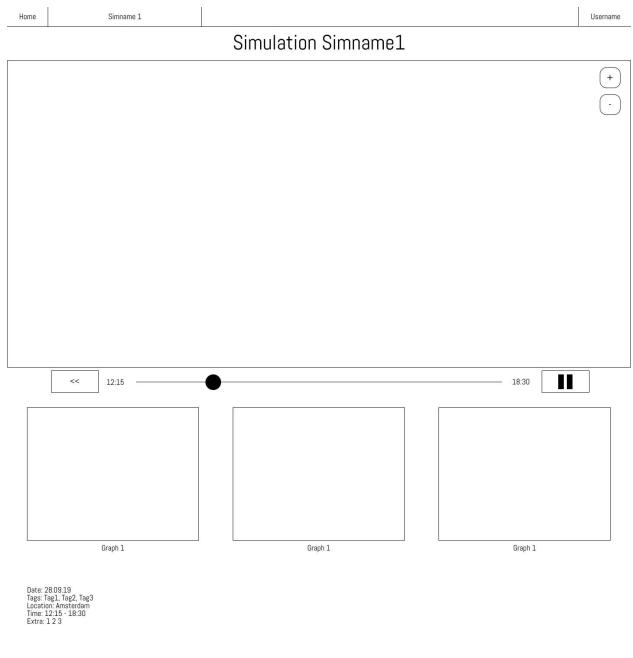
Home

CentroGeo SUMO

Username

Password

Login

Forgot Password?

Support   CentroGeo

Home page: Contains a link for user account management, a table for all stored simulation files, containing basic information about simulations and a search bar.

Simulation files

Search

Name ▽	Location	Tags	Date
Sim name	Amsterdam, NL	Tag1, Tag2, Tag3	28.09.2019
Sim name	Amsterdam, NL	Tag1, Tag2, Tag3	28.09.2019
Sim name	Amsterdam, NL	Tag1, Tag2, Tag3	28.09.2019
Sim name	Amsterdam, NL	Tag1, Tag2, Tag3	28.09.2019
Sim name	Amsterdam, NL	Tag1, Tag2, Tag3	28.09.2019

Simulation view: Contains the simulation metadata, simulation window with controls such as time slider, backward button and a pause button. Below that there are a few graphs for simulation statistics.

Home	Simname 1		Username

Simulation Simname1

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<<   12:15 ———————●———————————— 18:30 ⏸

Graph 1

Graph 1

Graph 1

Date: 28.09.19
Tags: Tag1, Tag2, Tag3
Location: Amsterdam
Time: 12:15 - 18:30
Extra: 1 2 3

Support   CentroGeo

2. User Testing

This step was carried out with two users unrelated to the project. They were given a PDF of the first three pages of this document and were asked a few questions about the navigation of the website.

The first challenge they were faced with was logging into the system. They managed to successfully log in with their premade accounts without any problems. No changes were requested.

The second challenge was importing a new simulation file. Both users requested that an import button be added to the home page. After that, they managed to successfully import a simulation file and add the appropriate metadata wherever needed. The ability to edit metadata was also requested.

The third challenge was finding the appropriate simulation file in a long list of files. They managed to successfully use the already available filtering functionality on the home page, but one of them requested that a separate tag filtering system be added to it.

The fourth challenge was using the tools in the simulation page to extract some data from a running simulation. Both users requested that a speed control be implemented and also a forwarding button. They were happy with the amount of statistics being shown, but requested exporting functionality.