

Dashboard Analytics

I) Technologies used. (JavaScript, CSS, HTML)

1)Backend

Programs

Node.js: Used to set up a server.

MongoDB: Used to set up a database.

Postman: used to test API routes.

NPM packages

express: used for routing, request handling and responding.

mongoose: used to interact with MongoDB.

validator: used for input validation.

jsonwebtoken: used for authorization.

passport: used to authenticate requests.

passport-jwt: passport strategy for authenticating with a JSON Web Token (JWT).

bcryptjs: used to hash passwords before we store them in our database.

concurrently: allows to run backend and frontend at the same time on different ports.

2)Frontend

Libraries

React: used to build the user interface.

Redux: used to manage the state of the app.

NPM Packages:

axios: used to make requests to our backend.

classnames: used for conditional classes in our JSX.

jwt-decode: used to decode our jwt so we can get data from it.

react-redux: allows to use Redux with react.

react-router-dom: used for routing purposes.

redux-thunk: middleware for Redux that allows us to directly access the dispatch method to make asynchronous calls from our actions.

react-bootstrap / bootstrap / node-sass/ rsuite : used to build the interface.

date-fns / react-date-range : used for the date range picker.

react-data-export / xlsx / file-saver: used to extract the data as an Excel file.

react-use-analytics-api: used to call the Google Analytics API and create the charts.

react-use-animations: used for the loader.

react-avatar: used for the user avatar.

II) App Description/How to run it

1)Login/Register

When the app start, you are directed to the login page where you can login to the dashboard using your email and password that use to register. If you're not registered, you can press the register button to go to the regsitration page. To register, you need to provide your name, emai, a password that's longer than 6 characters and you need to cofirm your password.

In the Navbar of both pages, you can see the Mobelite logo which you could press to go back to the login page.

Login Page



Login below

Don't have an account? [Register](#)

Enter Email

Enter Password

LOGIN

Register Page



Register below

Already have an account? [Log in](#)

Name

Email

Password

Confirm Password

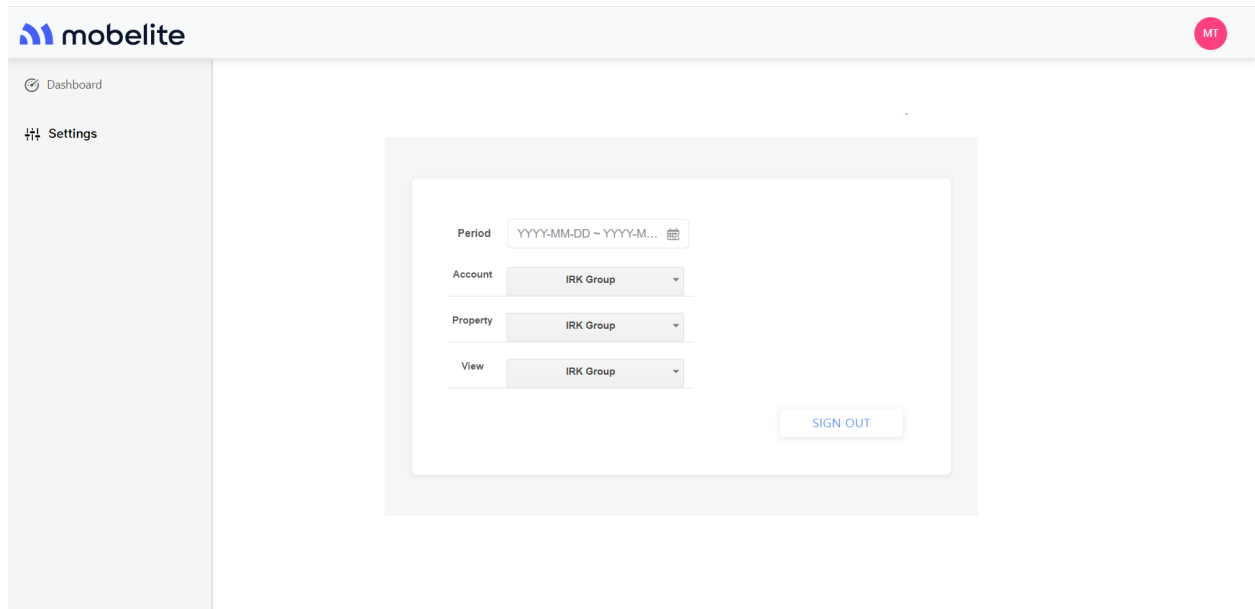
SIGN UP

2)Settings

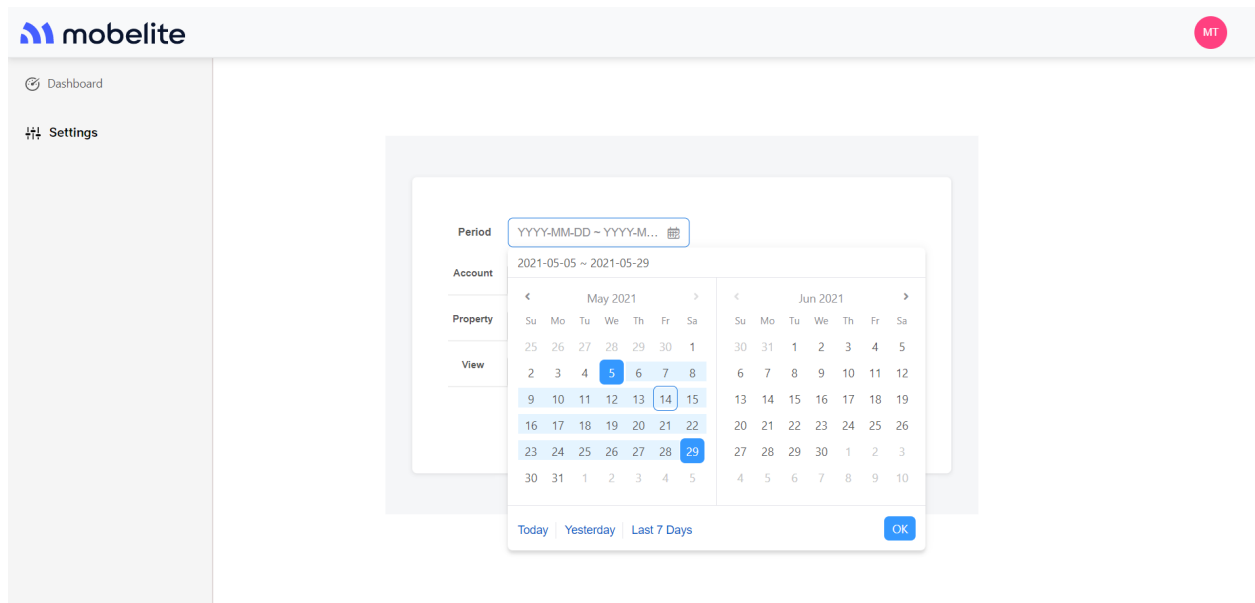
Once you're logged in, you're directed to the settings page where you have a date range picker to choose the date range for the information you want to display. You also have 3 dropdown menus which are account, property and view which allow you to choose the view that you want to display in the dashboard. There is also a sidebar to help navigate between the Settings page and the Dashboard. The Dashboard is disabled until you choose a date range. Under the

dropdown menus, you have a sign out button that allows you to sign out of your google account from which the information for the charts will be provided. You can login to your account again by refreshing the page. Finally, in the navbar, you have an avatar at the right which gives you the option to logout when pressed.

Settings Page



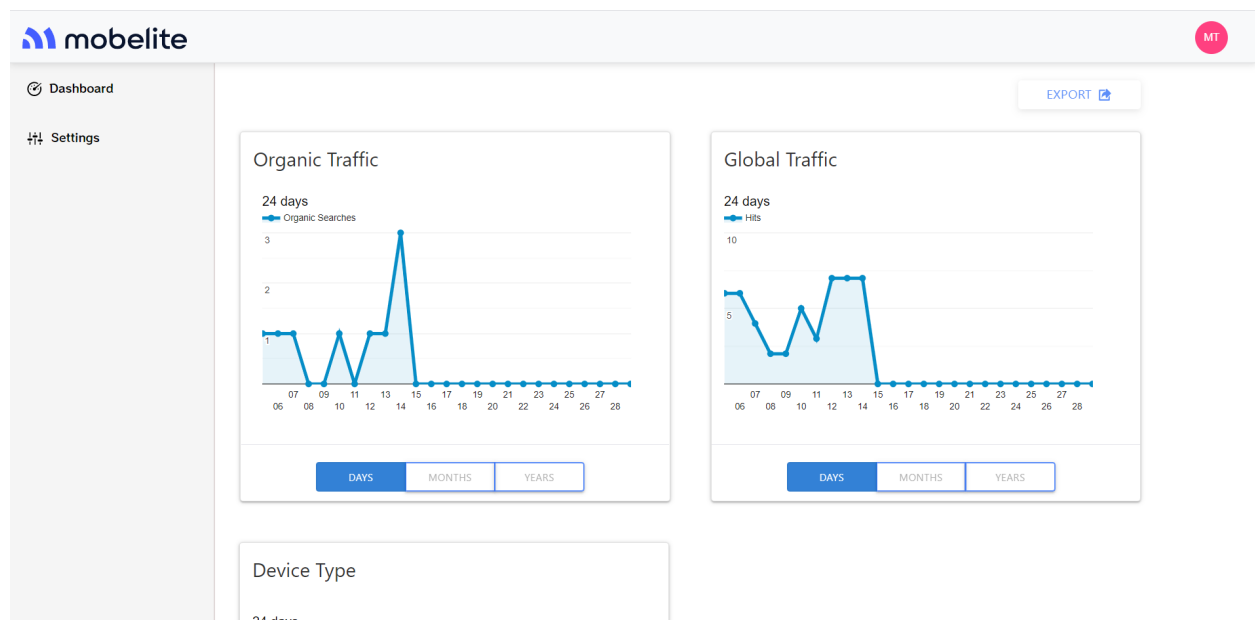
Date Range picker



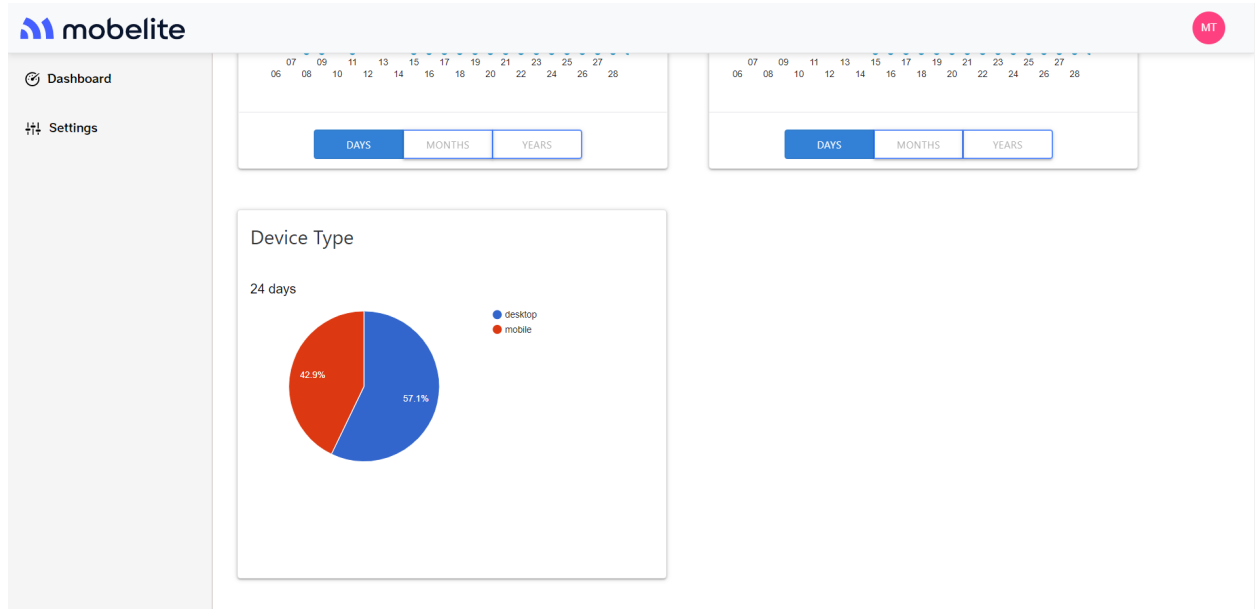
3)Dashboard

Once you choose a date, you can press the dashboard link in the sidebar and you will be directed to the dashboard page. In the dashboard page, you will find 3 graphs that display the organic traffic, global traffic and the device types for the period of view you chose in the period of time you selected. In the first graphs, you have the option to choose between days, months, or years as the dimensions of the graph depending on the period of time you selected. Finally, in the top right of the page, you have an export button that gives you the option to extract the information displayed in the graphs as Excel sheets. You also have the avatar in the navbar and the option to logout in this page.

Dashboard part 1



Dashboard part 2:



Logout

