**Front end technical documentation TO BE UPDATED**

Document lists files and custom React Hooks functional components used in the application user interface

All the imports from React and React Material UI are NOT listed separately in this document. Exports and imports in custom functional React components are listed below.

Files index.html and index.js (imports App from Pallas.js) are automatically generated by create-react-app bootstrap and they render the front end application itself, which consist of following files:

Pallas.js

* function App
  + Renders page layout depending on hooks’ states
  + Stores token for checking if user id logged in
  + Stores almost all the necessary information about application (segments, data of logged in user, etc.)
* exports App
* imports Map, Manage, Info, TopBar

TopBar.js

* function TopBar
  + Renders application logo, weather information, login/logout and navigation of the application
    - Management/Map view, Edit user’s own information
  + layout of top bar alters slightly if device viewport width is small or if user is logged in
    - Menu icon is rendered in small viewport size mode instead of showing all controls in the top bar
* exports TopBar
* imports Login, Logout, EditOwn, MobileMenu

MobileMenu.js

* function MobileMenu
  + Renders small menu if device viewport is small
  + Renders buttons for logout, edit user’s own information, management/map view
* exports MobileMenu
* imports Login, Logout, EditOwn

Login.js

* function Login
  + Renders login button and login dialog
  + Includes functionalities of the login at the front end (api call to user login)
* exports Login

Logout.js

* function Login
  + Renders logout button and handles logout

NewMap.js

* function Map
  + Renders map
    - imports @react-google-maps/api -library package for the map
    - Polygon and Marker components from the library are used to customize map
  + Renders also checkbox for filtering areas on the map and information on colours used in the map polygons (segments)
  + Handles actions when segment is selected from the map
* exports NewMap

Info.js

* function Info
  + Renders current snow information of chosen segment
  + Renders dialog and handles snow information update actions on chosen segment (for logged in user)
* exports Info

Manage.js

* function Manage
  + Renders user management view or segment management view (for logged in users)
  + Handles change between the two management views
* exports Manage
* imports SegmentManage, UserManage

SegmentManage.js

* function SegmentManage
  + Renders a view of all segments in the database
  + Renders dialogs for and handles deleting and editing a segment
  + For logged in users (operator or admin)
* exports SegmentManage
* imports AddSegment

AddSegment.js

* function AddSegment
  + Renders dialog for adding new segment
  + Handles functionalities regarding adding new segment
* exports AddSegment

UserManage.js

* function UserManage
  + Renders a view of all users in the database
  + Renders dialogs for and handles deleting and editing user data
  + Stores user data
  + For admin users only
* exports UserManage
* imports AddUser

AddUser.js

* function AddUser
  + Renders dialog for adding new user
  + Handles functionalities regarding adding new user
* exports AddUser

EditOwn.js

* function EditOwn
  + Renders dialog for editing logged in user’s own information
  + Handles functionalities regarding editing user’s own data
* exports EditOwn