**Hi, this is my final project.**

**Within the project, a web responsive application for displaying the trend of the weather parameters provided by several weather stations was created. The web application is based on Socket.**

**The application allows weather stations to create channels to transmit weather data in real time, and users to select one of the existing channels and view the trend of the parameters provided by the weather station.**

**Weather stations broadcast on the open channel real time data.**

**Users select one of the open channels and can view the data trend.**

**The main meteorological parameters in this field are:**

* **Air temperature,**
* **Air pressure,**
* **Wind speed and direction.**

**The parameter trend and instant value are displayed.**

**The last 250 measurements are permanently stored.**

**In order to be able to broadcast meteorological data, a weather station opens a new channel.**

**At this point, the user can select this channel.**

**No data history in this case.**

**The weather station acquires and broadcasts data in real time.**

**In this application, data acquisition is simulated by randomly generating parameters values.**