

## INTRODUCTION

The project is a web page that displays a map with the status of a network of towers detecting wildfires. It gives a good overview of the situation and collects weather forecast data to show a prediction of the fire's behaviour, based on this forecast.



# WILDFIRE WARNING SYSTEM



Simon GABORIT  
Final Year Project  
BEng Software and Electronic Engineering  
Supervisor: Brian O'SHEA

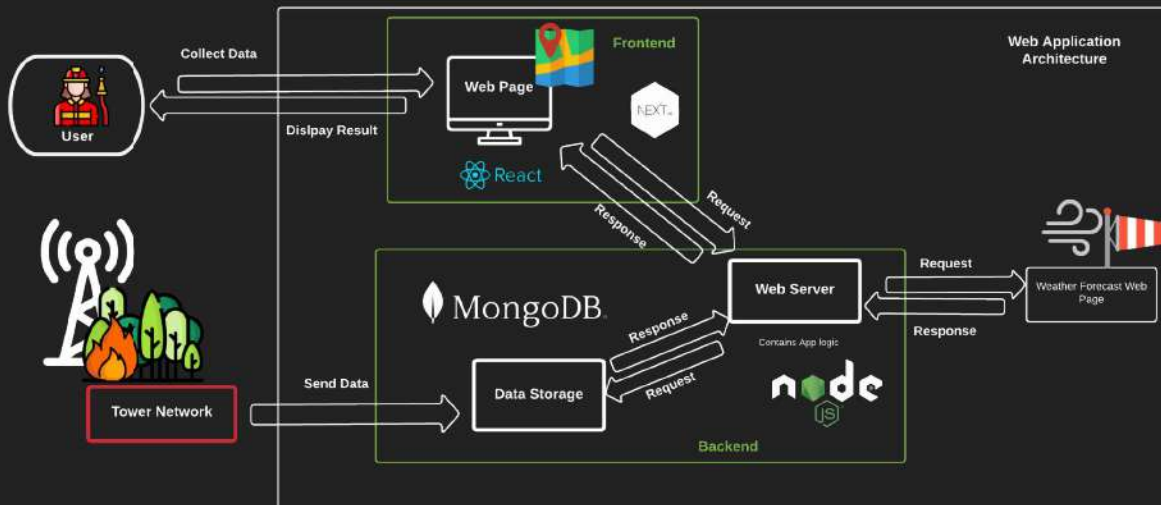
## HOW IT WORKS

1. Collect ID data to place pins on the map.
2. Collect fire status (normally sent from the towers) to match with the locations of the first database.
3. Analyse the temperature (on top and bottom of the tower) received to control if it doesn't reach a critical temperature.
4. If this point has been reached, the pin of the tower triggered will turn orange if it is the bottom sensor and red if it triggered the top sensor.

## MAIN TECHNOLOGY



## ARCHITECTURE DIAGRAM



## RESULTS

On this sample, we can easily see the wave of fire triggering progressively the towers.

