Criteria-A

# Defining the problem

My physics teacher loves astronomy and observe celestial bodies. To do so he has to look the weather forecast and try to guess if it would be a good observation day. In astrophysics there’s an index called seeing that tells you how “good” is the sky for that day. This index is rearely given in weather webs. He asked me to build an app that tells the weather forecast and the seeing forecast. Also a beginner friendly manner to tell visually the quality of the sky at that moment

# Success criteria

1. At the client:
   1. Show weather forecast based on location graphically
   2. Show seeing based on location graphically
   3. Being able to have a register of the visitors
   4. Access the web screens from a menu
   5. Send contacts
   6. The admin should be able to read the contact
2. At the server:
   1. Store the user register and contact
   2. If there’s no api for the seeing create one
      1. Return seeing forecast of the next 24h more or less

# The rationale for Proposed Solution

The best way to approach this problem is with a web application. In the main page it will be shown the weather and seeing forecast. The reason to do so is because that way everyone can access it.

The language that will be used are html,css, javascript,php,python and mysql. The first two are to design the ui of the web. Javascript is for the communication with the server and api and the following preprocess. Php is to manage the connections to the server and data management with mysql. Python will be used to generate the data for the api because that way I can use my knowledge in web scraping.