Solert - Concept

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What our Webpage should provide

- Insert your location (city, zip, address)
- Present two graphs:
    - with a detailed sun forecast of the next 3 hours
    - with a rough sun forecast of the next 24 hours
- Optional:
    - User management to save favorite locations
    - Location selection via a 2D map of the Netherlands
    - Embedding the sun-map-view from buienradar.nl

Paper Prototype

Services we use and provide

Sunforecast Data Crawler

Provide: sun forecast data

Using: buienradar.nl

Our task: fetch data from
buienradar.nl and
store in our
database

Graph Plotting

Provide: line or bar graph

Using: ChartJS.org

Our task: plotting a graph
based on forecast
data

Location conversion

Provide: latitude/longitude

Using: googleapis.com

Our task: convert the location
(city, zip, address)
into
latitude/longitude

Service Diagram

buienradar.nl

User

Google

Crawler

Application Server/
Webinterface

Location Service

Database