The web application should be designed for glider pilots to check local weather information. This information can be used for their flight routes. As the accuracy of forecasts is limited with respect to local weather phenomena like thermals, pilots can benefit from real time information reported by other pilots using this application. In this way flight routes can be adapted considering recent weather data and average cruising speed of gliders can be maximized.

Mobile devices with internet connection will primarily be used to access the web application.

The user interface of the web application needs to provide the possibility to submit weather reports and to display currently reported weather conditions. HTML, CSS and JavaScript are used as Front-End technologies for implementation. As the reported data needs to be managed, stored and filtered according to user settings Node.js will be used to incorporate a server as Back-End technology.