

## Sunny Glasgow (Project Outline)

### General Idea:

The project is going to involve building a collaborative web based system to enable Glasgow citizens to interact and improve their appreciation of the beautiful city architecture and even rural scenery.

What we are hoping to achieve is to build a collection of photos, depicting beautiful nature in various places around the city. This set is then going to be used to populate a grid-like map structure of Glasgow, by showcasing 2 photos for each grid. Those are going to be photos of the same area (different angle, time, area location) with contrasting weather (sunny[good weather]/ rainy[bad weather]) and will be updated if a more recent image gets positive votes from system users (e.g. – today is sunnier than what is on the photo for this area, I would like to update it).

The aim is to implement a two-component system – the integral parts are going to be an efficient backend processing engine for data manipulation paired with a front-end framework for data presentation and a client, in the form of a mobile application (Android, iOS; the current plan is to mock the client functionality completely and have a user interface demo at the end) to facilitate image taking/ upload.

The photos each user posts are going to have geo-location and will aid the process of marking a grid on the map depending on the latitude/longitude.

A point-based system will be implemented so that users get:

- 5 points for updating a photo
- 20 pts. for marking an unchecked area (grid on the map)

Achievements can also be implemented, examples:

- rainbow
- rainbow + rain
- snow
- sun + rain
- sun + rainbow
- double rainbow
- etc.

*Note: this is only an outline, some refinements will be made.*

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