# Application: Real-Life Urban Obstacles Debugger

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Github repository:

<https://github.com/elfoles/watch.it>

## Description

An application to collect and assess the obstacles in an urban area related to road surface, marking, signalization, and organization, and anything else that might affect the transportation within an urban area.

The users are welcome to make photos of various obstacles and upload them to a common repository.

## Gamification

The users are rated based on their active participation. The most active ones become top-users.

## Benefits for the Society

On the other hand, the most “popular” issues can be used by the community to prioritize the repair works planned throughout the season.

## Views

Most views are intuitive and straightforward:

### Register

Register a new user.

### Login

Log into the application.

### Add

Add/report new issues easily using a user’s current location and camera.

### Watch

View the existing reported issues.

### Warn

View reported issues in immediate proximity so that a user can be warned in advance about them and avoid them.

### Profile

View user’s profile.

### Logout

Log out of the application.

## Applied Technologies and Tools

* Telerik Kendo UI
* Telerik AppBuilder
* Telerik Backend Services
* HTML5/JavaScript
* IMAGA (planned)

## Future Enhancements

* Confirmations of other users of an issue logged by a user. The more users confirm an issue, the more points each of them earns. This also rates the issues finer.
* Add bonus for an issue reported by a user which has been fixed by the community.
* Use Imaga to categorize the reported issues automatically and more precisely.
* Enrich and intensify the gamification
* Add opportunities for “how to fix it” ideas winning points or prizes if embraced by the community.