

RESTful Surf Up-to-Date

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Purpose of the Application

The purpose of this application is the development of a RESTful share of beach photos and vídeos to keep surfers updated of the surf conditions. The application will be developed in Java with a sturdy security and transmission protocols, tolerable to errors and failures in case something out of the ordinary happens, displaying the appropriate notification and that does not require authentication by default but also allowing users to login through Google+, Facebook and Twitter in order to share private photos or vídeos with others users.

Main Features

- Upload photos and vídeos;
- Search photos and vídeos by location;
- Option to use Google+, Facebook and Twitter to authenticate;
- Show the location of the photos and vídeos in the real map;

Web Services

- Own Services
 - Identification for each machine connected;
 - Remove and update photos and vídeos (if authenticated);
 - Download photos and vídeos
- Google+ API
 - Requires Google+ authentication;
- Facebook API
 - Requires Facebook authentication;
- Twitter API
 - Requires Twitter authentication.
- Google Maps API
 - Required for location;

Target Plataforms

- Java Standalone Application for Linux and Windows.

Additional Services and Improvements (if time permits)

- Mobile application;
- Users profile;
- Share photos and vídeos with specific users;
- Share their location with other users.