POLITECNICO
MILANO 1863

Middleware Technologies for Distributed Systems
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Projects for the academic year 2019-2020

Rules

1. The set of projects described below are valid for this academic year, only. This means that they must be presented before the last official exam session of this academic year.
2. Students are expected to demonstrate their projects work in a real distributed system
   - Two or more laptops (or virtual machines).
   - Cloud deployment (we can provide Microsoft Azure credits).
3. Students are expected to present the software architecture and the algorithms / protocols implemented in the projects. They can use a few slides to support their presentation.

Image server with REST API – Project description:

The goal of this project is to create an image server that provides a REST API for:

- Creating new users (each user should have a unique id and a name).
- Listing the users in the system.
- Uploading .jpg images to a user's online storage space (each image should have a unique key and a title).
- Listing the available images by user id.
- Obtaining the images from the server.

Requirements:

- The API should be developed in such a way as to support Hypermedia.