

Homework 2

Problem 1:

A big nation is implementing a new testing systems for admissions to graduate studies in Philosophy, a course of studies desired by close to a half a million prospective students. The new national Philosophical Aptitude Test (PAT) will be administered synchronously in many testing centers across the country. There are several dates per year on which the PAT will be administered. Each PAT will be scored by at least three different graders. Each score is digitally signed using an already existing notary service. A large number of universities will use the PAT score in order to decide on admission. The universities can decide on their own how they use the PAT score.

Assume that the PAT system is implemented as a Service Oriented Architecture. Provide user stories for:

- text takers
- scorers
- government statisticians
- university admission officer.

For example, “I as a text taker want to read my score on the test I took five months ago.”

Use these systems operations to identify the various services that need to be provided.

Problem 2:

Use

https://www.researchgate.net/profile/Krishna-Kadiyala-2/publication/331041907_All_One_Needs_to_Know_about_Fog_Computing_and_Related_Edge_Computing_Paradigms/links/5db80013299bf1a47bfaba83/All-One-Needs-to-Know-about-Fog-Computing-and-Related-Edge-Computing-Paradigms.pdf

to give a one paragraph definition of “edge computing”.