**Fog Computing for Smart Services**

6 ECTS

Name and Surname

Date:

**NOTE: THIS WORK CAN BE DONE IN GROUPS OF STUDENTS OR INDIVIDUALLY.**

**Milestone 2: Application design (2- 3 pages initial design, 5-6 pages final design with list of APIs)**

**Milestone 3: Application design (5-6 pages final design with list of APIs)**

**Based on our last year application design:**

* **Repository of components:** [**https://github.com/VenoGaube/FOG**](https://github.com/VenoGaube/FOG)
* **Videos demonstrating these components**
* **Your understanding of MAESTRO**
* **The paper on the Decentralised Publishing DAO**
* **Information from the lecture (starting from DID towards Marketplace and then the use of Blockchain)**

**Make a new design for either:**

**(A) the Decentralised Publishing Organization, or**

**(B) one of the applications proposed by Christoph, or**

**(C) the Digital Logbook of Buildings (see the very recent diploma thesis of Gregor Bučar),**

**(D) any other ground-breaking application idea that you need to first jointly propose and agree.**

**Requirement 1: The application design should rely on the basic Dapp (Web3) design starting from the DID method(s), the concept of a marketplace (special, or general purpose) (as backend component, see Christoph’s implementation of the marketplace container), should rely on some common knowledge management infrastructure, e.g. Neo4j, OriginTrail, linked to blockchains. Should also use proofs for every important requirement (e.g. proof of reviewer’s knowledge in the case of the Decentralised Publishing Organization).**

**Requirement 2: Present wireframes to explain what the application GUI should look like.**

**Requirement 3: Define key software components and tasks for implementation. (Milestone 3)**

**References:**

List of studied documents, websites, ideas