PROBLEM SHEET # 1

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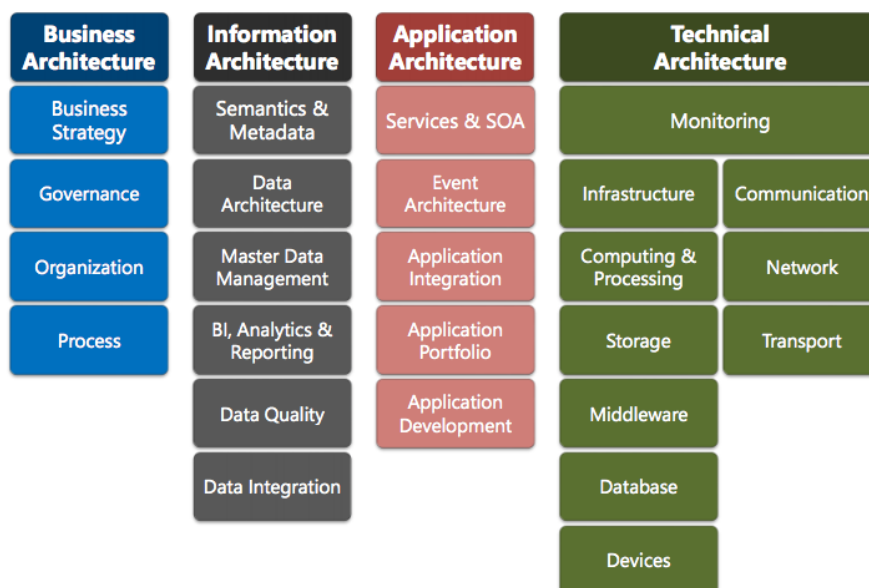**Course:** AE 2016/2017

Subject: Problem Sheet # 1 - Study

Date: February 22, 2017

Question 1

a) A representative enterprise architecture should be defined [1] by three layers:

- Business: it offers services to customers through products, where the services are realized by business processes that use the informational entities of the organization and run by business actors.

- Application: supports the level of business with application services realized in application components.

- Technological: provides infrastructure services, like processing, storage and communication, to the application layer and it is where also the services are realized by software, machines and computer devices.
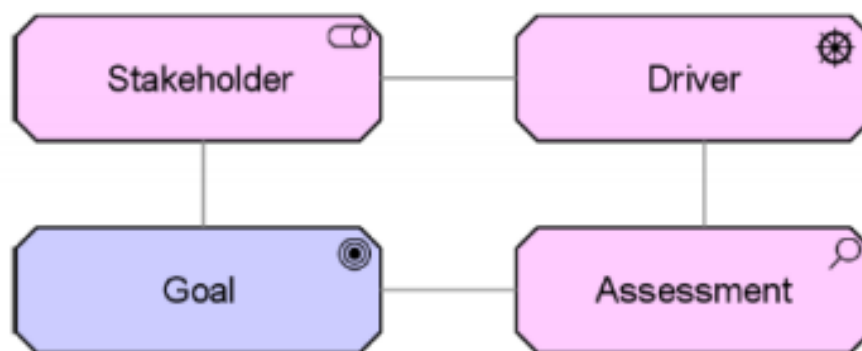
b) The defined concepts and description of a system architecture and requirements for determine whether the description of an architecture conforms with are:

- Structural/Behavioural: behavioural concepts are the Assign to structural elements (assets) To indicate who or what offers certain behaviour.

- External/Internal: external or internal view of "systems".

- Individual/ Collective-Distinction: between behaviour executed by individual structural elements and collective behaviour performed by a collaboration of multiple structural elements.

c) To establish concepts and methods, to identify and specify views and perspectives on the architecture, it may be relevant to distinguish between architecture principles that are relevant to:

- All employees of the organization.

- Employees of a specific part of the organization (business unit).

- Principles that are only relevant to employees in a specific role (e.g. software developers).

d) The standard focuses on the concepts of business process and stakeholder are:

Question 2

References

[1] Enterprise Architecture Fundamentals. Available from World Wide Web: (AE_fundamentals_Fev_2017_v0_8.pdf).