

TDT4151 - Enterprise Architecture for Enterprise Innovation

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1. Enterprise Modeling

1.1. Case Description

Expectations	Theory related
A good textual description of the case that you will model and your motivations for selecting this case and modelling. Are there any challenges you want to address? Is there something you want to clarify?	If the description is inadequate, unclear or incomplete, marks will be deducted.

1.2. Purpose/Goal of the Model

Expectations	Theory related
Why are you modeling? How would the model address your case? What purpose would your model serve? Note: this is very important for evaluating the model as your model should be evaluated against this.	This must be very clear and well scoped. Subgoals are also important. (Note: goals of the model, not the enterprise you're modelling.) What are the success criteria for your model? How would you know if/when the purpose of the model is fulfilled - connection to evaluation of the model? Who wil be the main users and beneficiaries of the model?

1.3. The Model

Expectations	Theory related
Models in ArchiMate AND 4EM. The actual	The textual descriptions of your model should
model(s) must be submitted along with the	explain the non-obvious parts. The model should
report (Visio, LucidChart, Archimate, etc.). The	for the most part explain it self.
report should include screen shots of the model	
with relevant explanations.	

1.4. Design of the Model

Expectations	Theory related
This section should explain the design decisions	How have you structured your model to reflect
and how you have designed your model to meet	your case and the purpose? How does the choice
its purpose.	of the enterprise aspects reflect your case?

1.5. Perspectives/Aspects

Expectations	Theory related
The model should include at least three	In your report, you should explain them and
perspectives/aspects of an enterprise in both	how they relate to one another. An Enterprise
4EM and ArchiMate. Enterprise models by	model vs. several models of a single aspect is
definition contain models of several	important here; hence the relationships across
perspectives (referred to also as sub-models),	the different aspects and layers must be
and they relate to one another. Note that the	described and explained. The student should
relationships across the perspectives are very	demonstrate that they understand the relevance
important.	of the relationships across the different aspects.

1.6. Modeling Tools

Expectations	Theory related
At some point in the modelling process, you may notice that one of the languages is better suited for your case. If so, after modelling 3 aspects in	You should be able to explain why you think one approach/language is better suited to model your case. Note: it may be that both are equally
both languages, you can select one of the languages to continue modelling with. Explain the reasons for your choice.	suitable. Reflect on the modelling choices you have made by comparing the two modelling languages and explain. Are there other features that you would have like to have in a modelling tool?

1.7. Using the Model

Expectations	Theory related
How would you use your model? "Views" are	You should be able to explain why you think one
how you would "extract" some information from	approach/language is better suited to model
your model for a particular purpose. E.g. A view	your case. Note: it may be that both are equally
that serves a specific sub-goal for your model. Or	suitable. Reflect on the modelling choices you
what a specific stakeholder/user would like to	have made by comparing the two modelling
see or what is relevant in a specific situation.	languages and explain. Are there other features
How would you use the model to obtain such a	that you would have like to have in a modelling
view? The answer expected here must include a	tool?
discussion of the view and how the model is	
used to get.	

2. Open Service Innovation and Service Design

2.1. Identify Innovation

Expectations	Theory related
Describe a service-oriented approach to your enterprise, with one or a few services. (Innovation)	How would your enterprise remain agile and innovate? Describe the service idea and how this could innovate your enterprise. Describe the type of innovation w.r.t. the theory; e.g. open or closed innovation, digital, process, etc. Reflect on the type of innovation(s), e.g. is this a service innovation, process, digital or a business innovation? What is the ICT or digital component of the innovation?

2.2. Create a Customer Journey

Expectations	Theory related
Describe the service as a set of experience points (or touch points) or a customer journey. Include	_
this in the report.	experiences (Innovation). Explain the customer journey from the customers' and the enterprise's
	perspectives.

2.3. Blueprint

Expectations	Theory related
Model the blueprint for the service. Include this in the report.	Describe the details of realising the service and where technology is relevant. Describe in detail how the ICT components are affected or how any new components will be integrated into te current Enterprise Architecture.

2.4. Reflections

Expectations	Theory related
	Reflect on the revelance of innovation and the
	use of complementary of modelling methods.
	Identify the main differences between service
	design and enterprise modelling. Explain how
	service modelling complements enterprise

3. Business modelling

3.1. Business and Value Modeling

Expectations	Theory related
Create a sustainable business model or a value model for the new (innovative) services in your enterprise using the relevant templates. Include this in the report.	Explain the choice of your business modelling framework and why it is the most appropriate for your case. Explain the business or value model you have created and the value proposition.

4. Redesigned enterprise model

4.1. Changes in the Enterprise Model

Expectations	Theory related
Identify the changes that you have to make in	Explain the changes in your enterprise model
your enterprise to realise the business model	and how they would support the service
and deliver the services. Enhance your 4EM or	innovation e.g. new or changed processes, new
Archimate model from part 1. The new model	organisational structure, new competences and
should be submitted. (Hint: did the service	therefore new roles and actors, perhaps new
innovation create more goals for your	technological solutions, etc.). Note: again, it's
enterprise? If so, are there implications for the	important to be clear about the purpose of the
processes, roles, technology, etc. in your	model as was relevant for part 1.
enterprise?)	

4.2. Enterprise Model & Enterprise Architecture

Expectations	Theory related
Structure model according to an Enterprise	Reflect on the relationship between Enterprise
Architecture Framework, e.g. TOGAF	Modelling and Enterprise Architecture.

5. Reflection

5.1. Model Evaluation

Expectations	Theory related
Assess if your model meets its purpose. You can use any of the methods we learned for evaluating models or any other means. (Hint - connect your model to its purposes and ask if it meets the purpose	How did you evaluate yur model - what evaluations methods (from theory) did you consider? Justify your choice of evaluation method(s). Describe how you evaluate your model, using the model and include screen shots of the relevant parts of the model. Describe why you think your model is good and meets the purpose (or not).

5.2. Reflections

Expectations	Theory related
Describe what you have done. Reflections and	Also discuss the modelling experience. And what
lessons learned. Reflect on the work, the process	would you do anything different next time?
you followed and share some of your thoughts.	

6. Bibliography

7. Appendicies