Project in Group

Your mission and challenge

Organisation

- Working in groups
  - 4 students/group (max)
  - 4 groups
- Challenge connected to theory
  - Do not wait the end …
- Continous review
  - Q&A every time we meet

The project

- Context
  - Digital transformation of a (fictive) enterprise active in a (free to choose) sector
- Your mission
  - Ideate IT enabled innovations for this enterprise
  - Design the architecture of the enterprise to support this innovative idea

Your tasks

1. Motivate your idea
2. Design your solution
3. Plan the development
4. Integrate security risk management
5. Draw your conclusions
6. Pitch your idea !

1. Motivate your idea

- Questions to address – environmental analysis, identification of drivers for change
  - Trends in the sector, Pain points to be solved, Technology push
  - Enterprise strategy (objectives) and technological innovation as a response to the environment context
- Illustration with ArchiMate
  - Motivation
  - Strategy

2. Design your solution

- Questions to address
  - Products and services delivered
  - Business operations (org structure, roles, processes) and required (IT) resources
- ArchiMate
  - Product/service offering
  - Organisation – process map
  - Application
  - Technology

3. Plan your development

- Questions to address – Business Model/Plan

  - How will you develop your product – product roadmap, projects, …

  - What approach will you apply (cycles, release plan…)

  - How does this relate to EA

  - How can you exploit your model

4. Security Risk Management

- Questions to address
  - What are the security risks associated with your product/services
  - How do you exploit the models to identify/address them
- Bonus
  - Integrate risk modelling in ArchiMate

5. Draw your conclusions

- Questions to address
  - What state did you reach ?
  - What is the value of EA ?
  - What is missing ?
  - What are the next steps ?

6. Pitch your idea !

- Sell your case – your project presentation
  - Who do you want to convince ?
  - What aspects are the most valuable ?
  - How will you give insights on your EA ?
  - EA modelling experience with ArchiMate - how did the language work for you ? Does it provide clear and useful concepts, and does it provide right-useful representations ? If you used viewpoints, what is your reflection on this mechanism?

Deliverables

- Case report
  - Document – about 15 pages
- Case presentation
  - 20' by group
  - Equal intervention of each member

Timeline

8-March	8-March	4-April	26-May	31-May

Session 2 – Introducing project
- Organise your groups
- Think about your innovative idea

Session 4 – Discuss your idea
- Brainstorm on the EA views
- Design draft model

Session 5 – Discuss your models
- Design model
- Write report

Submission Deadline
- Prepare your presentation

Day 4 - Presentation
- Submit your presentation

Practical modalities

- Ask your questions by email
- Submit your report by email
  - Confirmation will be sent
- Submit your presentation slides by email

Mobility sector

Some hints

Current challenges

- Passenger information – quality ?

- Sharing data – Mobility data space

- New transport means – silos ?

- Multi-modality – fragmentation ?

- Transport of goods – road safety, fair market, social rules

Perspectives

- Transport operator – public and private transport services
- Transport regulator
- New transport service
- Service integrator
- Any other perspective

Some sources

- Mobility strategy
  - https://transport.ec.europa.eu/transport-themes/mobility-strategy_en
  - https://transports.public.lu/fr/contexte/strategie/pnm-2035.html
- Mobility apps/MaaS
  - https://www.mobiliteit.lu/
  - https://whimapp.com/
- Mobility data
  - https://data.public.lu/en/pages/topics/mobility/
  - https://mobility-dataspace.eu/