Teamwork topics

Topics mostly have a background either from IBM co-operation or from RDI furniture recycling project ÄLYÄ https://www.alya-hanke.fi.

A. IBM co-operation topics

- IBM Watsonx Developer Tutorials. This topic's mail goal is to evaluate IBM Platform suitability for Haaga-Helia AI courses learning environment and give feedback to IBM Finland. Also, you'll learn deeper one example platform for AI development.
    - Read descriptions of tutorials in website: https://developer.ibm.com/components/watsonx/tutorials/
    - Select one tutorial for each member of the team. Try to test your selected tutorials as far as you can. There might be some restrictions based on licenses etc. Write feedback on your testing and conclusions on suitability for students on this course to the teamwork presentation.
- IBM Watsonx AI Governance. EU AI Act and similar regulations/legislations put now requirements on the use of AI and organizations need governance solutions to comply with the laws in order not to have to pay huge fines or to end up with badly working AI or reputation damage. This topic's goal is to evaluate IBM's watsonx.governance capabilities regarding that. You will learn about one of the crucial elements in applying AI in real-world businesses.
    - Go through the watsonx.governance web demos to learn what do these kinds of governance solutions offer for different stakeholders/user personas: https://watsonx-governance-demo.c8f8f055.public.multi-containers.ibm.com/
    - Select one of the three governance tutorials for each member of the team (https://www.ibm.com/docs/en/cloud-paks/cp-data/5.0.x?topic=tutorials-quick-start#governAI):
        - Evaluate and track a prompt template
        - Evaluate a machine learning model
        - Evaluate a deployment in spaces
    - Try to test your selected tutorials as far as you can. There might be some restrictions based on licenses etc. Write feedback on your testing and conclusions on watsonx.governance regarding AI governance.

B. ÄLYÄ project research & experimental type topics (Analyze and test technologies under. Report your experiences in teamwork presentation):

- Local small LLM options and experimental testing, e.g. https://gpt.h2o.ai/. ÄLYÄ project will compare different language models from point of views of cost and performance.
- Video generators. ÄLYÄ project wants to test video generation for furniture maintenance instructions visualization. OpenAI Sora is one option when it is fully available. Do market research on available solutions and test generators when available.
- No-code/Low-Code AI assisted development. Study products and practices to generate AI Assisted web applications for No-code/Low-Code developments. In ÄLYÄ-project has been discussions on vercel v0, Replit and Figma Builder.io AI generator.
- LangChain and AI Agents. This technology is used in ÄLYÄ project app development. What are the pros and cons with it. You can also do testing with the package.
- SearchGPT, PerPlexity, etc. How Internet search is combined with LLMs.

C. You can also create your own topic