"Development of a Course Knowledge Graph Management System in CourseMapper"

The main goals of the thesis will be:

- Improve the current concept map (Charles' work) in terms of performance, UI, and visualizations

- Extend the KG at different granularity levels (learning resource level -> channel level -> course level)

- Follow a human-in-the-loop approach by adding interaction possibilities with the KG (e.g. the course creator / teacher can add, edit, remove concepts)

- Extend the KG to be also used for user modeling (joint work with other students working on data-driven user modeling using KG)

As next steps, I would recommend to:

1. Skim through the papers available in Sciebo under Theses\Literature\CourseMapper\Knowledge Graphs (Shoeb will invite you to Sciebo)

2. Search in e.g. Google Scholar to learn more about "Educational Knowledge Graph": https://scholar.google.ca/scholar?hl=de&as_sdt=0%2C5&q=%22educational+knowledge+graph%22&btnG=