Assignment of bachelor's thesis

Title:	Generating music using neural networks
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Study program:	Informatics
Branch / specialization:	Knowledge Engineering
Department:	Department of Applied Mathematics
Validity:	until the end of summer semester 2022/2023

Instructions

This thesis aims to use NLP techniques for the task of music generation/transformation.
Sub-goals are the following:
- Research existing solutions
- Obtain suitable datasets for the task
- Preprocess dataset to be usable as a neural network-based training algorithm input,
experiment with different representations
- Implement one or more models using modern neural network architectures such as
LSTM, Transformer, etc...
- Discuss/compare model performance