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Designing of an eLearning Project

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Abstract: Upon designing eLearning projects, we opted to apply the procedure established during the designing of the life cycle of an information system. The life cycle is comprised of life-cycle phases. In the paper different methods of eLearning projects designing are described, e.g. work breakdown structure (WBS), conceptual maps, network analysis, Petri nets, and project scheduling. Some available software tools are presented. The methods were used to design eLearning project in business education named *Electronic Forms*. Some graphs, diagrams and tables illustrate the case study.

Project and its phases – methodological approaches:

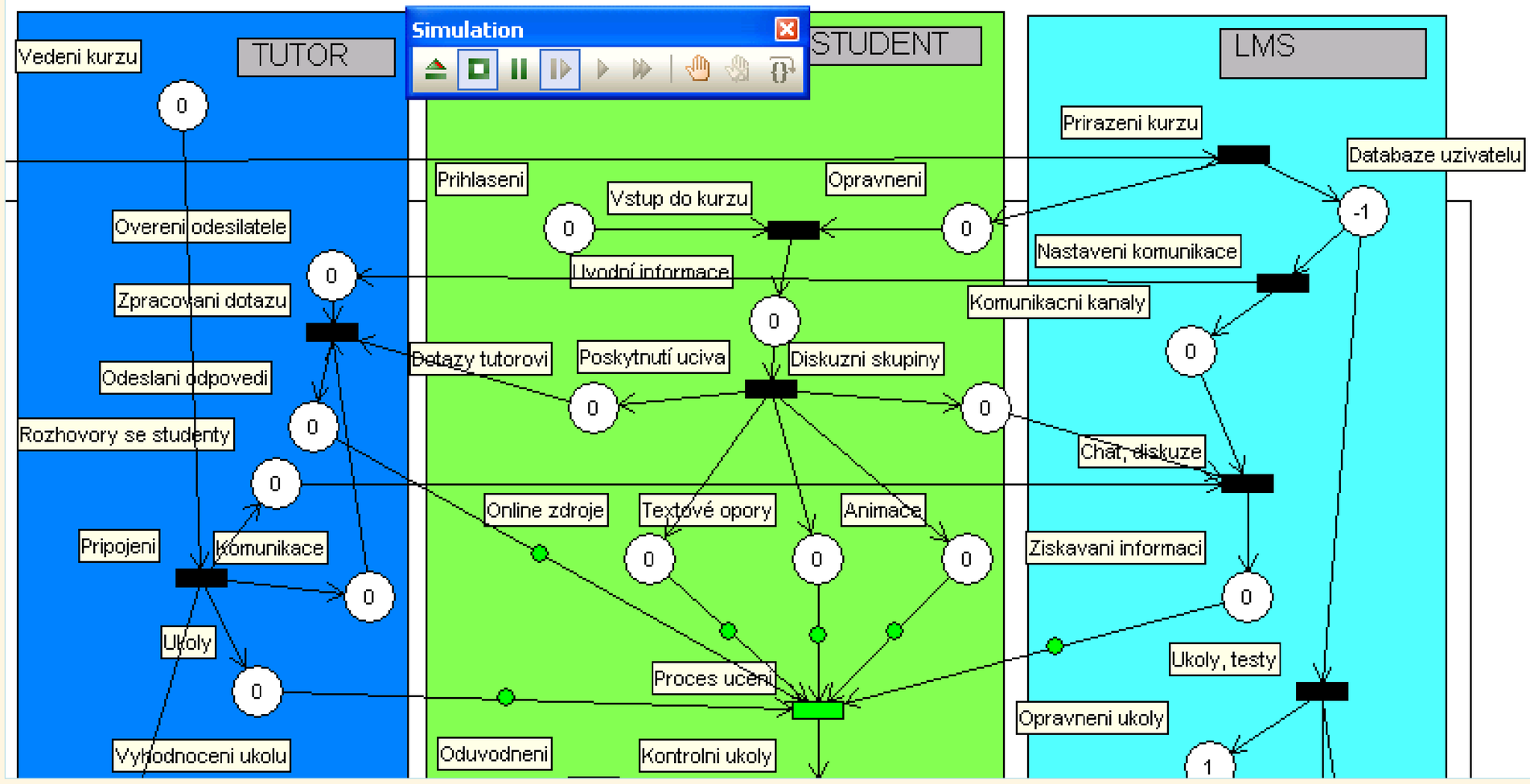
- **Instructional System Design** - known also as **ADDIE**
- **System development life cycle**
- **Project Management Body of Knowledge**
- **Statement of work**

Design methods:

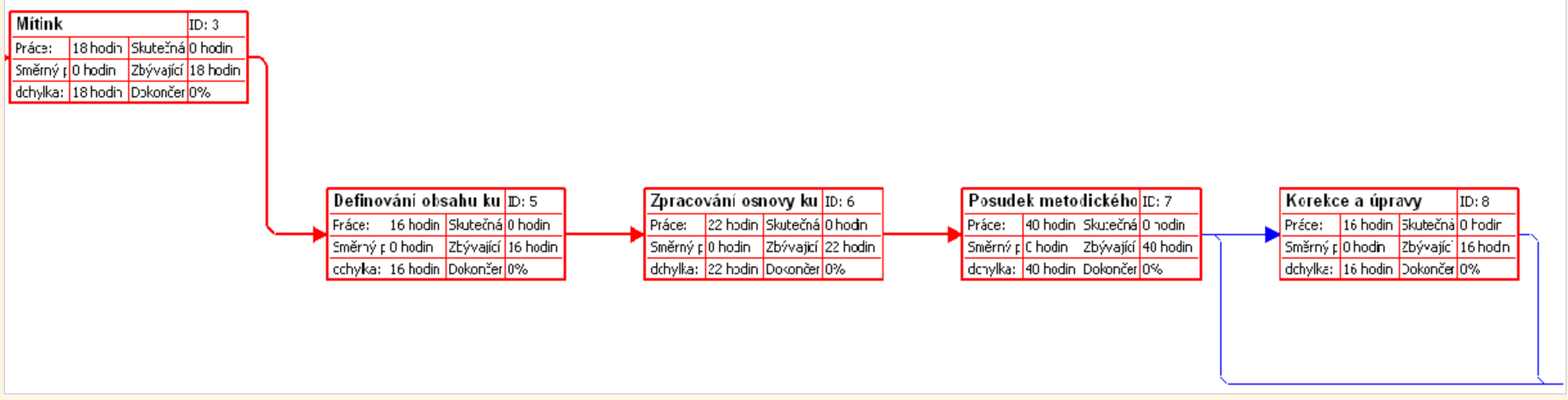
- **Work Breakdown**
- **Concept maps**
- **Network analysis**
- **Petri Nets**
- **project scheduling** - e.g. the Gantt chart

Practical project: The described methods and instruments were used when creating the eLearning project in business training. This concerned a group of courses entitled *Electronic Forms*. The aim was to teach employees of the Czech Social Security Administration (ČSSZ) the correct procedures for receiving and processing electronic forms.

Hierarchical structure of the course *Electronic Forms*



Example of simulation in Petri net



Detail of part of a network graph

Conclusion: The described methods are applicable for members of a work team that is preparing an eLearning project. The results of the work may be used for the course Project Seminary. The phases of the eLearning project created when designing the System development life cycle form the base for modelling in the project Evaluation of eLearning.

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