

# Software Project WiSe 25/26

Milestone 1

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29.10.2025

# 1 Project Diary - Milestone 1

## 1.1 Week 1: October 06-12

- Created document containing ~60 possible exercise questions (Single Choice, Multiple Choice, Drag&Drop, Dropdown, Fill-In, Visual/Interactive)

## 1.2 Week 2: October 13-19, 2025

### 1.2.1 Question Development - Definitions & Concepts

- Created and completed 6 Single Choice questions covering Eulerian and Hamiltonian path fundamentals
    1. Semi-Eulerian Graphs
    2. Finding Eulerian Paths
    3. Historical Origins (Seven Bridges of Königsberg)
    4. Trails and Eulerian Paths
    5. Directed Graph Eulerian Circuits
    6. Computational Complexity
  - Each question includes 4 answer choices with complete feedback for all options
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## 1.3 Week 3: October 20-26, 2025

### 1.3.1 Question Development - Graph Analysis

- Completed 2 Single Choice questions with full answers and feedback
  - Questions developed:
    1. Analyzing Complete Graphs
    2. Creating Eulerian Circuits
  - Each question includes 4 answer choices with complete feedback for all options
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## 1.4 Week 4: October 27-29, 2025

### 1.4.1 Question Development - Graph Analysis

- Completed 2 Single Choice questions with full answers and feedback
- Questions developed:
  1. Trees and Eulerian Paths
  2. Degree Sequence Analysis
- Each question includes 4 answer choices with complete feedback for all options

### 1.4.2 Milestone 1 Preparation

- Completed this diary document for submission
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## 1.5 Summary

### 1.5.1 Questions Developed

- **Definitions & Concepts:** 6 complete questions
  - **Graph Analysis:** 4 complete questions
  - **Total:** 10 Single Choice questions
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