Ödevler

Ödev - İşlem devam ediyor

Aşağıdaki gerekli alanları doldurup, ödevinizi gönderebilirsiniz.

Gerçeğe uygunluk onayı
alındı
Taslak - İşlem devam
ediyor
Teslim edildi:
Geri Dönen
Başlık
Project Submission: Project Report, Github Page and all materials related with your project
Süre
24.Ara.2025 23:55
Maksimum gönderi sayısı
Sınırsız
Yeniden gönderimler için son teslim tarihi:
05.Oca.2026 12:50
Ödev Durumu
Gerçeğe uygunluk onayı alındı
Not Türü
Notlandırılmamış

Açıklamalar

SEN0414: Final Project Submission

Advanced Programming (Python)

Important Dates & Information

Submission Deadline	Week 14 - December 24, 2025 23:59
Submission Method	Via LMS (Learning Management System)
Report Format	Microsoft Word (.docx) format
Example Report	COMPLETE example template provided (see below)
Contact	Yusuf Altunel - y.altunel@iku.edu.tr

Required Submission Components

- Final Project Report (Word document following the provided template structure)
- Source code repository (GitHub link with public access, comprehensive README)
- Demo video (5-10 minutes demonstrating key features, uploaded to YouTube)
- All team member names and student IDs are clearly listed in the report header
- Test results and coverage reports (≥90% coverage required)
- User manual and API documentation

Complete Example Report Template Available

A comprehensive example report for the "AI-Powered Code Review Agent" project has been prepared. This complete, professional example demonstrates all required sections with enhanced educational features, showing exactly what a high-quality submission looks like.

What the Example Report Includes:

- ALL 9 required sections fully developed: Introduction, Literature Review, System Design, Implementation, Testing, Results, Future Work, Conclusion, References
- 7 comprehensive appendices, including User Manual, API Documentation, Test Results, Timeline, and Team Contribution
- 16 verified academic and technical references with working hyperlinks
- Enhanced data classification system with 6 types of markers (✓ ✗ ⚠ ⚠)
- 50+ educational notes including pro tips, common pitfalls, and contextual explanations
- Professional tables, technical architecture descriptions, and proper formatting
- Complete multi-agent system example with Quality, Security, Performance, and Documentation agents
- Clear distinction between real content (to keep) and example data (to replace)

Understanding the Data Classification System:

The example report uses a color-coded symbol system:

Symbol	What It Means
✓ **GREEN**	REAL & VERIFIED - Keep this content (tech stack, references, AI4SE concepts)
✗ **BLUE**	EXAMPLE/FABRICATED - Replace with your actual metrics (87% accuracy → YOUR accuracy)
⚠ **RED**	PLACEHOLDER - Must fill with your information (GitHub URL, screenshots, IDs)
Orange	PRO TIP - Expert advice for better implementation
⚠ **Dark Red**	COMMON PITFALL - Warnings about frequent student mistakes

Purple	WHY THIS MATTERS - Context explaining the importance of decisions

How to Use the Example Report:

1. Read the complete legend on page 2 to understand all symbol types
2. Keep all GREEN content (✓) - These are real technologies, frameworks, and concepts from AI4SE
3. Replace all BLUE content (X) - Update example metrics with YOUR actual project results (accuracy, test coverage, performance)
4. Fill all RED placeholders (⚠) - Add YOUR student IDs, GitHub URL, demo video link, screenshots
5. Follow PRO TIPS () - Apply expert advice for better implementation and avoid common mistakes
6. Heed COMMON PITFALLS (⚠) - Read warnings carefully to prevent delays and errors
7. Understand CONTEXT () - Learn why architectural decisions matter for system design
8. Use the Appendix G checklist - Follow the 12-point verification before submission
9. Adapt the example to YOUR project - The example is for Code Review Agent, adjust for your specific project

⚠ Critical Reminders Before Submission:

DO NOT submit the example report with placeholder data or example metrics. This will result in a failing grade. The example is a TEMPLATE showing structure and quality expectations - you MUST replace all example data with your actual project results.

- Replace ALL blue example metrics (X 87% accuracy, X 228 tests, etc.) with YOUR measurements
- Fill in ALL red placeholders (⚠ student IDs, GitHub URL, demo video, screenshots)
- Add YOUR actual project screenshots showing YOUR working system
- Ensure YOUR GitHub repository is PUBLIC and contains complete, documented code
- Upload YOUR demo video showing YOUR system features and test the link
- Update test results to match YOUR actual testing (coverage, pass rates, performance)
- Keep all green references (✓) as they are real, verified sources
- Adapt content to YOUR specific project - example is for Code Review Agent
- Use the Appendix G checklist to verify completeness before submission

Approved Project Examples (Choose One):

- ✓ AI-Powered Code Review Agent - Multi-agent system for automated code review
- ✓ Intelligent Test Generation System - AI-powered test case generation
- ✓ AI4SE Learning Platform - Interactive education with gamification
- Or propose your own AI4SE project (must be approved in Week 2)

Required Report Structure (All Sections Mandatory):

- Abstract & Keywords - 200-300 word summary
- 1. Introduction - Background, problem statement, objectives, scope
- 2. Literature Review - Theoretical background, AI4SE integration, existing solutions
- 3. System Design - Architecture overview, component design, agent architecture (if applicable)
- 4. Implementation - Technology stack, core functionality, AI/LLM integration, challenges
- 5. Testing & Validation - Strategy, coverage, test cases, UAT, performance testing
- 6. Results & Discussion - Deliverables, objective achievement, demos, success criteria

- 7. Future Work - Known issues, proposed enhancements, scalability
- 8. Conclusion - Summary, key achievements, lessons learned
- 9. References - Properly formatted citations (IEEE or APA)
- Appendices - User manual, API docs, code excerpts, test results, timeline, team contribution

Grading Criteria

Projects will be evaluated based on:

- Technical Implementation (30%) - Code quality, architecture, AI/Agent integration
- Report Quality (25%) - Completeness, clarity, professional writing
- Testing & Validation (20%) - ≥90% coverage, comprehensive testing
- AI4SE Integration (15%) - Proper use of AI4SE concepts, alignment with framework
- Documentation (10%) - Code comments, README, user manual, API docs
- Presentation (Demo Video) (10%) - Clear demonstration of functionality

Academic Integrity

- All work must be your team's original work
- The example report is a TEMPLATE - it shows structure, not content to copy
- You MUST replace all example data with your actual project data
- Properly cite all external sources, libraries, and frameworks used
- Plagiarism will result in a failing grade and disciplinary action
- Each team works independently - collaboration between teams is not permitted

File Naming Convention

Name your report file as:

SEN0414_FinalReport_ProjectName_Date.docx

Example: SEN0414_FinalReport_CodeReviewAgent_2026-01-10.docx

Accessing the Example Report

The complete example report is available through:

- LMS course materials section (recommended)
- Course website resources page
- Direct from the instructor upon request

File name: SEN0414_COMPLETE_Final_Report_ALL_SECTIONS.docx

File size: 52KB (comprehensive professional example)

Questions?

If you have questions about:

- Report structure or requirements - refer to the example report first
- AI4SE concepts - review the AI4SE ontology and framework materials
- Technical implementation - consult the 16+ references in the example
- Project scope - check approved project examples and scope statement

- Submission process - check LMS instructions
- Other questions - contact Yusuf Altunel via email

Good luck with your advanced programming projects!

Istanbul Kültür University

Department of Computer Engineering

Fall 2025

Ödev için ek kaynaklar

- 📄 [FinalReportExample_JustForIllustration_Claude_22_12_2025.docx](52 KB; 22.Ara.2025 15:36)

Teslim

Ödev Metni

Bu ödevi aşağıdaki boş metin kutusuna veya ekte dosya halinde teslim edebilirsiniz. Ödevinizi yazmak için aşağıdaki metin kutusunu kullanabilir, gerektiğinde ekleri gözat butonunu kullanarak bilgisayarınızdan "seçeceğiniz dosyaları" yükleyebilirsiniz. Çalışmanızın kaybolmaması için düzenli olarak kaydetmeyi unutmayın.

Kaynak

| Biçem ▼ | Biçim ▼ | Yazı Türü ▼ | Boyut ▼ | ▼ | ▼ |

Kelime: 0, Karakter (HTML dahil): 0/1000000

Dosya ekleri

Henüz bir dosya eki yok

Bilgisayardan bir dosya seçin   **Dosya Seç** Dosya seçilmedi   Anasayfadan veya Siteden dosya seçin

[Gönder] [Önizleme] [Taslağı Kaydet] [İptal]

⚠ Ödevinizi kaydetmeyi veya teslim etmeyi unutmayın!