Prerequisites

This seminar was developed for lecturers, teaching assistants, and instructors who assess student projects, final projects, capstone projects, or academic assignments. Basic software development experience is recommended. No previous experience with Kiro is required.

Duration

This seminar includes four hours of training and hands-on practice.

Premium Training

This premium seminar can be delivered in Hebrew or English, online or in a hybrid format. The content can be adapted to the participants' academic discipline, project type, assessment criteria, grading rubric, and institutional workflow.

The Lecturer

Haim Michael, an experienced software development trainer, lecturer, and consultant with more than 30 years of teaching experience, delivers this seminar. Haim Michael is also a Kiro Ambassador, and he specializes in AI-assisted and spec-driven software development.

The Topics

This seminar shows how to use Kiro IDE and generative AI to develop an AI-powered application for assessing student projects. The application can evaluate different types of project deliverables, apply a defined grading rubric, and generate structured feedback for human review. The seminar includes the following topics:

AI-Powered Student Project Assessment

Getting Started with Kiro IDE

Spec-Driven Development

Defining Assessment Goals and Requirements

Designing Grading Rubrics

Turning Rubrics into AI-Ready Specifications

Processing Student Project Submissions

Assessing Reports, Documentation, and Deliverables

Evaluating Requirements and Learning Outcomes

Assessing Code and Technical Artifacts When Relevant

Identifying Strengths, Weaknesses, and Missing Elements

Generating Scores, Explanations, and Feedback

Combining Deterministic Rules with AI

Human Review and Override

Consistency, Bias, and Academic Integrity

Privacy and Security Considerations

Hands-on: Building the Assessment Application

We can adapt the seminar to your courses, project types, grading rubrics, learning outcomes, and assessment workflows. The hands-on exercise can also be customized around a representative student project from your institution. To build an application that uses a large language model to assess projects, participants will need access to an appropriate LLM API key.

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