

# AIE425 Intelligent Recommender Systems, Fall

Semester 25/26

Final Course Project

(Plagiarism and AI score report)

Group 17

Eyad Medhat 221100279

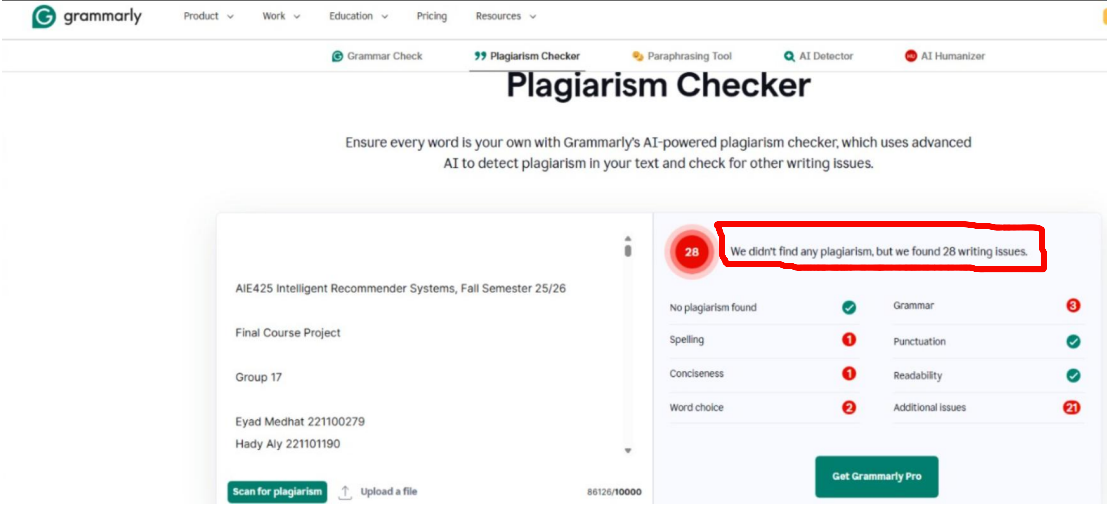
Hady Aly 221101190

Mohamed Mahfouz 221101743

Omar Mady 221100745

Submission Date: Monday, January 5, 2026

# 1-Plagiarism



The screenshot shows the Grammarly Plagiarism Checker interface. The top navigation bar includes links for Product, Work, Education, Pricing, and Resources. Below this, there are tabs for Grammar Check, Plagiarism Checker (which is active), Paraphrasing Tool, AI Detector, and AI Humanizer. The main heading is "Plagiarism Checker". Below the heading, a message states: "Ensure every word is your own with Grammarly's AI-powered plagiarism checker, which uses advanced AI to detect plagiarism in your text and check for other writing issues."

The interface is divided into two main sections. The left section contains a text input area with the following text: "AIE425 Intelligent Recommender Systems, Fall Semester 25/26", "Final Course Project", "Group 17", "Eyad Medhat 221100279", and "Hady Aly 221101190". Below the text input area are two buttons: "Scan for plagiarism" and "Upload a file". The right section displays the results of the scan. At the top, a red circle with the number "28" is shown, followed by the text: "We didn't find any plagiarism, but we found 28 writing issues." Below this, a table lists the results of the scan:

Category	Count	Status
No plagiarism found	✓	Grammar
Spelling	1	✓
Conciseness	1	✓
Word choice	2	✓
Punctuation	3	✓
Readability	✓	✓
Additional issues	21	✓

At the bottom of the right section, there is a green button labeled "Get Grammarly Pro".

## 2-AI-Detection

## Your File Content is Human written



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Executive Summary

SECTION 1: Dimensionality Reduction and Matrix Factorization

Step 1: Calculation of Average Ratings for Target Items (I1 and I2)

### 1. Objective

The primary objective of this step was to isolate the two target items, denoted as I1 and I2 (identified in previous analysis as the lowest-rated items), and compute their specific average ratings from the dataset. These calculated means are required to perform the mean-filling method for unspecified ratings in the next stage.

### 2. Implementation Details

The process was executed using the following logic:

Target Identification: The system loaded the lowest\_two\_rateditems.csv file generated in the previous module to retrieve the specific movie IDs for the target items.

I1: Movie ID 1556 (Speed 2: Cruise Control)

I2: Movie ID 1499 (Godzilla)