

## **USER STORY**

### **Primary User - Teachers**

**As a teacher,**

**I want to upload a PDF file containing student essays and define grading rubrics, So that the system can automatically analyze and grade essays based on my criteria, allowing me to review and finalize scores efficiently.**

### **Acceptance Criteria:**

#### **1. Teacher Authentication & Dashboard**

- **The system provides a login page where teachers must enter their email and password.**
- **If the teacher does not have an account, a "Sign Up" option is available.**
- **Sign Up Process:**
  - **The teacher provides their full name, email, and password.**
  - **A verification email is sent to confirm registration.**
- **After successful login, the teacher is redirected to the dashboard, which displays:**
  - **An overview of previous grading tasks, including task names, dates, and statuses.**
  - **A button labeled "Score Essay" to start a new grading process.**

#### **2. Grading Task Creation**

- **The teacher clicks "Score Essay" to create a new grading session.**
- **The teacher defines essay grading rubrics, selecting from predefined options or customizing criteria such as:**
  - **Grammar (correctness, punctuation, spelling).**
  - **Coherence ( logical flow, structure, clarity).**
  - **Relevance ( how well the essay addresses the topic).**
- **The teacher assigns weight percentages to each rubric for score calculation.**
- **Once completed, the teacher proceeds to upload student essays.**

### **3. Essay Upload & AI Analysis**

- The teacher uploads a PDF file containing student essays.
- The system validates the file, ensuring:
  - The format is correct (PDF only).
  - The file is not empty or corrupted.
  - Text extraction is successful.
- Once validated, the AI processes the essays by:
  - Analyzing content based on the predefined grading rubrics.
  - Assigning individual rubric scores.
  - Generating detailed feedback for each essay.
- The teacher receives a notification once grading is complete.

### **4. Review & Grade Modification**

- The teacher accesses the grading results and sees:
  - A summary table displaying student names, essay titles, and AI-generated scores.
  - A detailed grading report for each essay, including:
    - Rubric breakdown (e.g., grammar: 85%, coherence: 90%).
- The teacher can modify grades manually by:
  - Adjusting individual rubric scores or the overall score.
  - Adding additional teacher comments.
- If satisfied, the teacher approves the grades without modification.

### **5. Finalization & Dashboard Update**

- Once grades are approved, the system:
  - Saves final results in the database.
  - Updates the dashboard, marking the grading task as "Completed."
  - Provides an option to download/export grading reports as a PDF or CSV file.
- The teacher can view and manage past grading tasks, including:
  - Searching for previous grading sessions.
  - Reviewing past graded essays and feedback.