

Title: Online Grading System

Customer: Prof Timothy Hnat

Summary:

Pencil and paper tests are ubiquitous in education; however, grading and handling such tests is laborious and error prone. Professors and teaching assistants risk back injuries lugging around huge piles of paper tests. Students may lose points because of errors made in calculating by hand and in entering handwritten scores into a computer. Returning paper tests is both inconvenient and risks loss of privacy for students. These are just a few of the problems both teachers and students face in dealing with paper exams.

This project aims to address these problems by developing an online grading system. Teachers will scan tests into a digital format (PDF) and upload them to the system. Once the tests are uploaded, the system will provide features for organizing, annotating, and grading the tests, as well as for distributing grades and comments to students. All the system's features will be accessible through a web browser, and the interface will support both large screens (e.g., laptops, desktops, and tablet computers) and mobile devices (e.g., smartphones and tablets).

Key Features/Concerns:

- Features for uploading and organizing digital scans of test pages (possibly using optical character recognition).
- Minimally invasive to the test taker.
- Features for annotating pages and entering points.
- Features for calculating total scores and exporting to spreadsheets.
- Features for distributing scores and comments to students.
- Since the system will handle student grades, security is a major concern.
- Usability of the mobile interface is a strong concern.

Additional Comments:

N/A