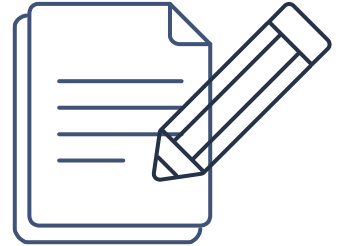


Handwritten Essay Marking Software

Group 10





OUR TEAM



Haritha Gunarathna

E/18/118



Shehan Madhusanka

E/18/203



Madhushan Prasanna

E/18/264



**Are you tired of grading
handwritten essays?**



PROBLEM IDENTIFICATION

- Marking numerous handwritten essays manually can be a daunting task
- Time-consuming manual process
- Inconsistent essay marking
- Bias and Human Error



“ Design and develop a web interface to automate the process of grading handwritten essays by leveraging machine learning algorithms while ensuring fairness and consistency in evaluations.



OBJECTIVES

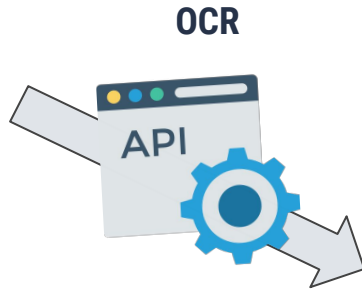
- Develop a user friendly web interface to display the results
- Develop a ML model to auto grade the essays considering the following criteria
 - ▷ Grammer
 - ▷ Spelling
 - ▷ Relevance
 - ▷ Typography
 - ▷ Duplication
- Predict the grade with acceptable accuracy
- Maintain an up-to-date database



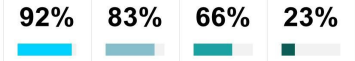
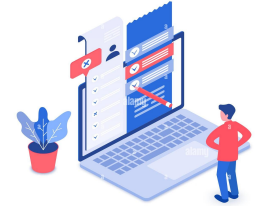
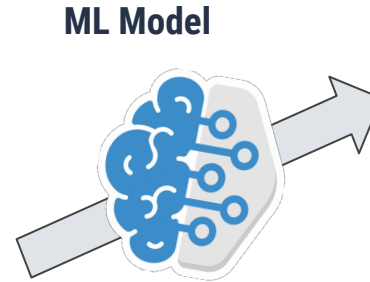
SOLUTION ARCHITECTURE



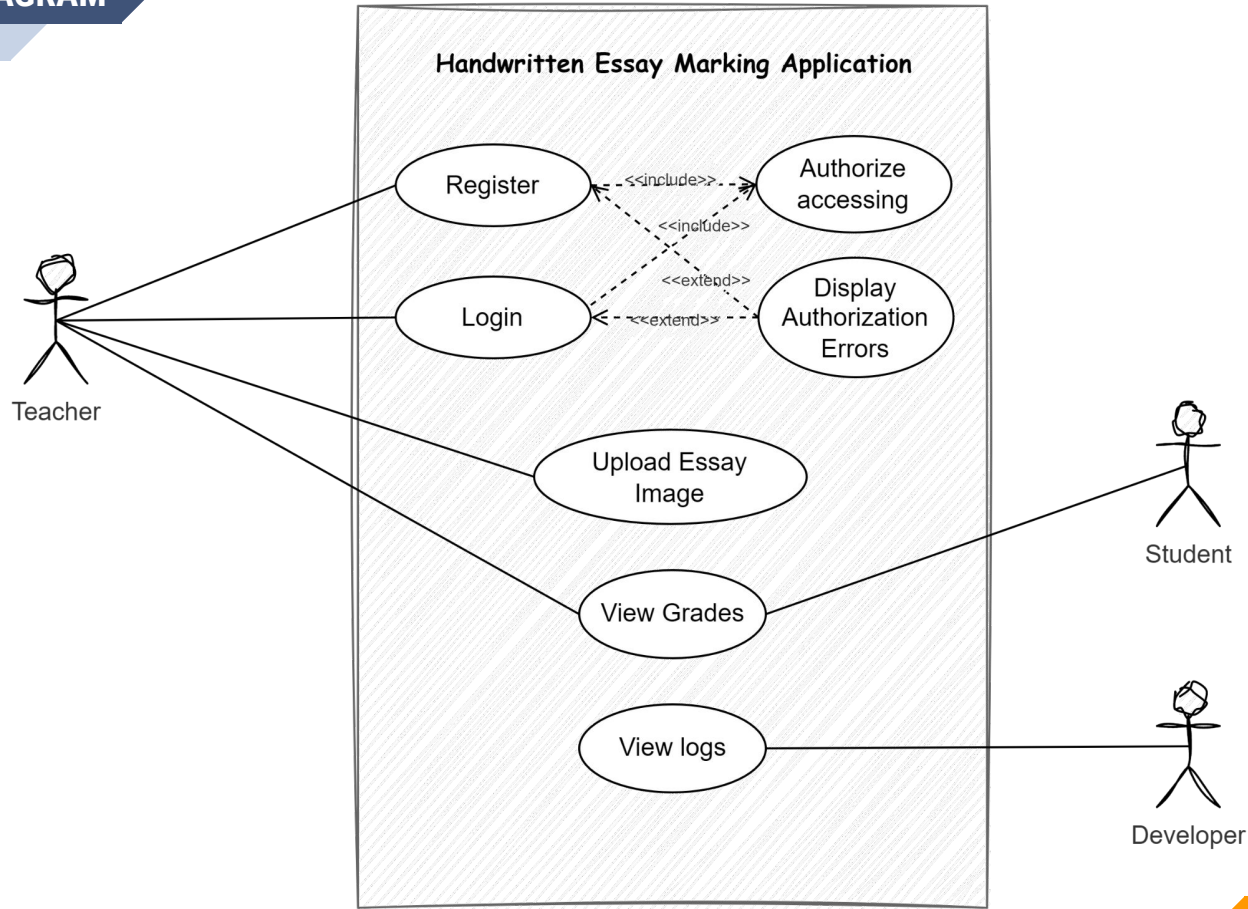
Essay Image

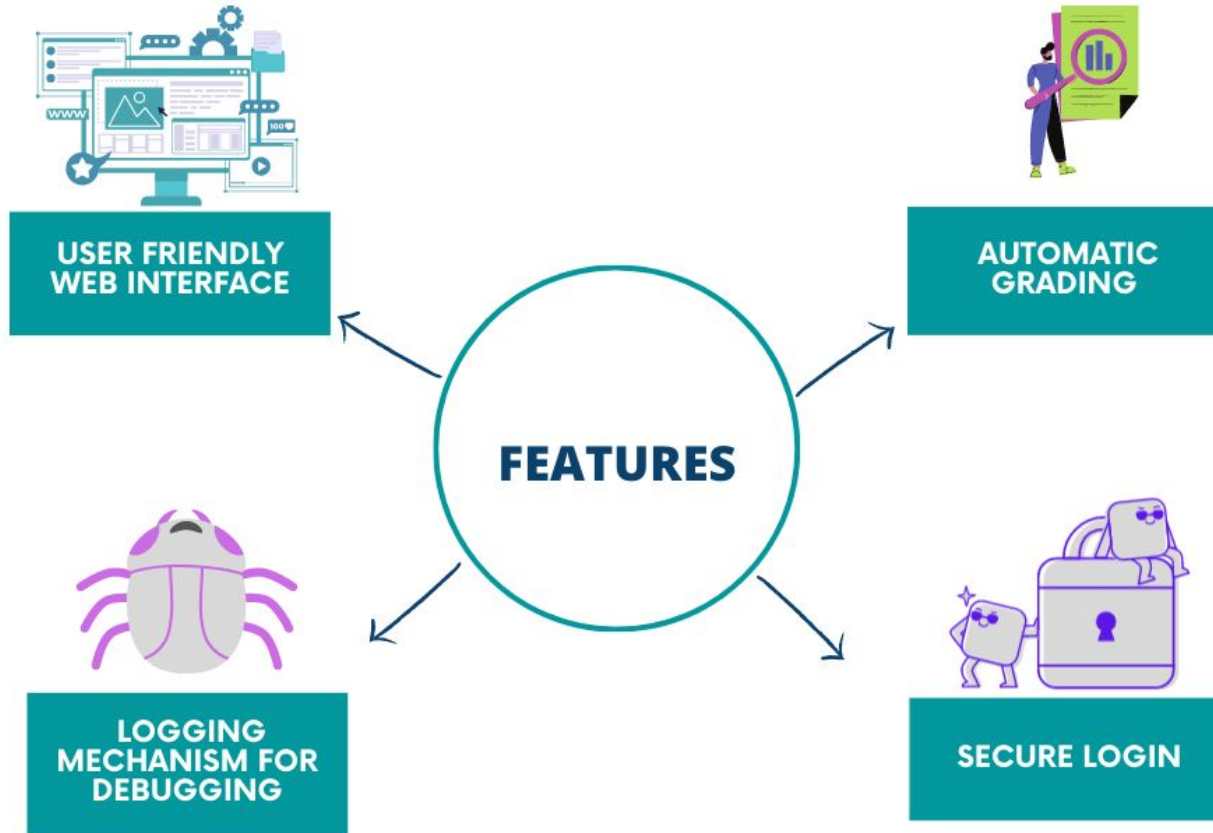


Digital Document



Results On Web Interface







TOOLS & TECHNOLOGIES



Runtime Environment



Frontend Framework



Cloud Service



ML Model
Development



Backend Framework



mongoDB®

Database



Optical Character
Recognition



Libraries



TIMELINE

WEEK	7	8	9	10	11	12	13	14
Research related to similar work								
Collect data to train ML Model								
Choosing Technology Stack								
Building the ML model								
Developing front end of the web UI								
Testing								
Training the ML model with test data								
Developing the back end of the web UI								
Validating the ML model								
Deployment of web app in cloud								
Completion of the project								



FURTHER DEVELOPMENTS

- Incremental learning while providing services
- Providing feedback alongside the grades
- Plagiarism Checker



STRENGTHS & SKILLS

- UX/UI Designing
- Web Development
- Cloud Deployment
- Machine Learning
- Project Management



THANK YOU !

ANY QUESTIONS ?

