Electronic Theses & Dissertations Validator

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OUR CLIENT

MSU Graduate School is the governing body of the graduate program here at Montana State University. The Graduate School handles admission, advocacy, and manages the thesis/dissertation programs for those coming to MSU for graduate school.

ABOUT THE PROJECT

Before having their thesis or dissertation accepted and uploaded to the ScholarWorks repository, MSU graduate students must ensure that their documents are properly formatted. Currently, this process is done manually by the graduate school's formatting advisor. In turn, our project aimed to automate this process of validating the formatting of these documents.

PROJECT GOALS

USABLE

We wanted to create an easy-to-use interface that requires little explanation.

EXPANDIBLE

We strived to write reusable, explicit code that can easily be expanded and revised in the future.

EXHAUSTIVE

By thoroughly covering every rule in the ETD guideline and ensuring the entire document gets checked we aimed to limit work required on the user end.

ADDRESSING THE PROBLEM

- Choosing a File Type
  - PDF
  - LATEX
  - **Word Doc (.docx)**

- What to Validate
  - Margins
  - Fonts
  - Color
  - Quotations
  - Page Numbers
  - Body Matter
  - Back Reference Matter
  - Tables, Figures, & Illustrations

TECH STACK

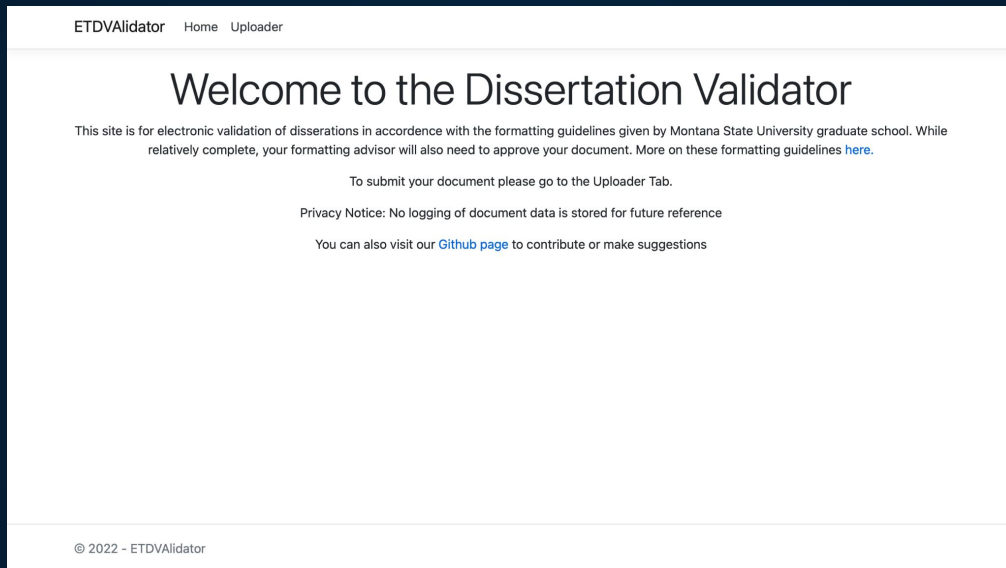Framework: **.NET Core MVC**

Languages: **C#, JS/HTML/CSS**

.docx Library: **OpenXML**

Hosting: **Heroku**

A LIVE DEMO

A screenshot taken from website hosted on heroku

THANKS!

Any questions?