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GRADR TECHNICAL OVERVIEW

Gradr is a web-first fully responsive grade tracking platform that will enable students to easily monitor their academic progress.

Languages / Tools

Python 3 via Anaconda

Flask / Jinja2 web micro-framework

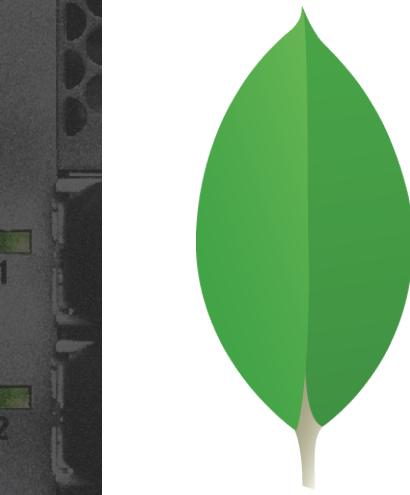
Bootstrap front-end framework

MongoDB modern NoSQL DBMS



DigitalOcean
Ubuntu 16.04 LTS

Hosting



mongoDB®

Minimum Viable Product DEMO

track assignment categories stored in database

display data to user via responsive front-end

input validation client + server side

scalable and load balanced DigitalOcean Droplets

DEMO

Future Features

add classes and assignments unique per user

view average score and GPA with clean graphics

“what if” scenarios advanced score projections

deep analytics peer-comparison

full OAuth2 support Google, Facebook

web scraping Blackboard, Bottlenose, etc.