Override Request System

Group 1

Database and CAS Progress

Logic Progress

Front-End Progress

Demo

Override Request System

Truman State Math, Statistics, and Computer Science Departments

Group 1

November 24, 2020

- CAS
  - The system integrates with CAS; distinguishes faculty from students
  - The CAS module is functional, but not yet integrated
- Database
  - The schema has been created
  - Made available through a library
  - Rows in the database are represented as objects
  - Classes encapsulate database interactions
  - Data currently stored in MySQL using 13 tables
  - Section information is automatically ingested
    - The user uploads an xlsx file
    - A script on the server reads the information
  - Majors and minors are automatically ingested
    - A text file containing a list is used

Database Design

TRUMAN STATE UNIVERSITY

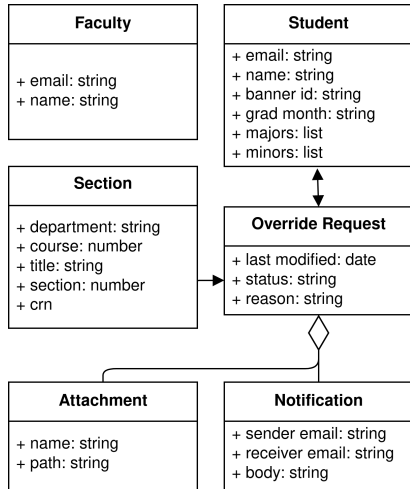**Override Request System**

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- The library is available through 6 files
- Uses 9 classes
- Constructors build new items and read from the database
- `$student = Student::getStudent('jtk1701');`
- Changes are made to local object
- `$student->setFirstName('James');`
- Then, changes are stored in the database
- `$student->storeInDB();`

Faculty

+ email: string
+ name: string

Student

+ email: string
+ name: string
+ banner id: string
+ grad month: string
+ majors: list
+ minors: list

Section

+ department: string
+ course: number
+ title: string
+ section: number
+ crn

Override Request

+ last modified: date
+ status: string
+ reason: string

Attachment

+ name: string
+ path: string

Notification

+ sender email: string
+ receiver email: string
+ body: string

- Took charge in the process that takes the request from the front-end and returns appropriate response from the system's database.
- Necessary to make sure that the communications between front-end and database could be faster and more convenient.
- The communication between the two parts was done through the use of API calls.

- Front-end requests certain data with required parameters (i.e. information) to the API.
- The API checks if the given request is valid.
  - Returns error message if not.
- The API gets the required data from database.
- Then returns the data back to the front-end.

Front-End Progress

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- Created 5 pages:
  - Profile Pages - To fill out user information
    - Admin
    - Student
  - Admin Page - Contains all requests by all students
  - Student Page - Contains all requests the student has made
  - Override Request From - with profile application and input validation!
- We developed these along side a mock API to imitate the connection we would eventually use with the API the logic team has developed.

Demo

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