

From: w24-6pm-1  
Date: Thu, Mar 14, 2024 at 5:00 PM  
Subject: Organic new release  
To: Scott Chow, Phil Conrad and other teaching staff of CS156

Here's a summary of our changes:

**[Feature] There is an AddCourseStaffForm that has a single field:** one where you enter the github id of a new staff member, along with tests and a storybook entry. The field must be non blank. When applied, it added the corresponding AddCourseStaffForm.js code. This will be used as a basis for building pages and loading in data from the Staff table, along with this it adds the corresponding expected fixtures for further flexibility and frontend testing for future work dealing with this table.

The screenshot shows the Storybook interface for the 'AddCourseStaffForm'. The left sidebar lists components like 'Jobs', 'Utils', 'Courses', and 'AddCourseStaffForm'. The 'AddCourseStaffForm' component is selected, and its 'Create' sub-component is active. The main canvas displays a form with two input fields: 'counselId' and 'Github Id'. Below the form is a 'Controls' section with a table:

Name	Control
buttonLabel	Create
submitAction	-

The URL at the bottom of the browser window is <localhost:6006/?path=/story/components-courses-addcoursestaffform--create>.

The screenshot shows the Storybook interface for the 'AddCourseStaffForm'. The left sidebar lists components like 'Jobs', 'Utils', 'Courses', and 'AddCourseStaffForm'. The 'AddCourseStaffForm' component is selected, and its 'Update' sub-component is active. The main canvas displays a form with three input fields: 'Id', 'counselId', and 'Github Id'. The 'Id' field contains '1'. The 'counselId' field contains '12' and the 'Github Id' field contains '318493'. Below the form is a 'Controls' section with a table:

Name	Control
initialContents	{ "id": 1, "counselId": 12, "githubId": 318493 } RAW
buttonLabel	Update
submitAction	-

The URL at the bottom of the browser window is <localhost:6006/?path=/story/components-courses-addcoursestaffform--update>.

## [Bug]: fixed footer

When applied, it added the changes to the footer to reflect the correct information. This also has to update the corresponding test cases to ensure 100% test and mutation coverage. There is now added adversarial testing to ensure that the corresponding grammatical error does not appear again in the future by accident. Acceptance Criteria:

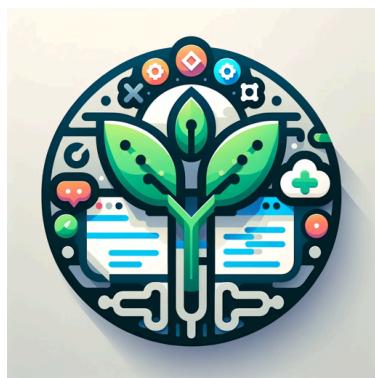
Organic H2Console Swagger

Welcome, phillylim Log Out

# Welcome

## [BUG]: Icon fix

When applied, it updated the corresponding favicon.ico to be something that isn't a cow, and something that resembles organic a bit better:



## [Feature]: Instructors can create, edit and delete courses

Made sure that instructors and admins can create courses. Only Admins and Instructors can see the create course button. SanShock is user with instructor privileges!

The screenshot shows a user profile for 'SanShockk'. The top navigation bar includes 'Organic' and 'Courses' on the left, and 'Welcome, SanShockk' and 'Log Out' on the right. Below the navigation is a table with columns: githubId, githubLogin, fullName, Email, Last Online, Admin, and Instructor. The data row for SanShockk is: 98702747, SanShockk, sanil.katula@hotmail.com, 20/01/1970, false, true, true.

User Profile for SanShockk

githubId	githubLogin	fullName	Email	Last Online	Admin	Instructor
98702747	SanShockk		sanil.katula@hotmail.com	20/01/1970	false	true

Organic Courses Welcome, SanShockk Log Out

The screenshot shows a 'Course' management page. The top navigation bar includes 'Organic' and 'Courses' on the left, and 'Welcome, SanShockk' and 'Log Out' on the right. A blue 'Create Course' button is visible on the right. Below the navigation is a table with columns: id, Name, School, Term, StartDate, EndDate, GitHub Org, Edit, and Delete. The table currently has no data rows.

Course

id	Name	School	Term	StartDate	EndDate	GitHub Org	Edit	Delete

Create Course

## [Feature]: User view course

When applied, it allows users to now view courses that they are staffed in, and it allows the navigation bar to show this path. Future work to see ALL courses will require future work  
Acceptance Criteria:

The screenshot shows a 'Course' management page for the user 'toomanyapples234'. The top navigation bar includes 'Organic', 'H2Console', 'Swagger', and 'Courses' on the left, and 'Welcome, toomanyapples234' and 'Log Out' on the right. Below the navigation is a table with columns: id, Name, School, Term, StartDate, EndDate, GitHub Org, Edit, and Delete. The table currently has no data rows.

Organic H2Console Swagger Courses Welcome, toomanyapples234 Log Out

Course

id	Name	School	Term	StartDate	EndDate	GitHub Org	Edit	Delete

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## [Bug]: Last Online in User Profile Defaults to Wrong Date

Added timestamp by removing instant.



### Emails

email
sanilkatula@ucsb.edu
124859948+sanilkatula@users.noreply.github.com

### Debugging Information

```
▼ "root" : { 2 items
  "loggedIn" : bool true
  ▼ "root" : { 3 items
    ▼ "user" : { 12 items
      "githubId" : int 124859948
      "githubNodeId" : string "U_kgD0B3E2LA"
      "githubLogin" : string "sanilkatula"
      "email" : string "sanilkatula@ucsb.edu"
      "pictureUrl" : string "https://avatars.githubusercontent.com/u/124859948?v=4"
      "fullName" : null
      "emailVerified" : bool true
      "admin" : bool false
      ...
    }
  }
}
```



## [Bug]: Course Can End Before It Starts

Images below show how the html date selector prevents the user from picking a date before the start date and also implements a logic whereby the course time must be set to be after that of the time of the start date. This applies for both instances, creating a course and editing one as well.

Organic Courses Admin ▾ Welcome, shashank790 Log Out

### Create New Course

Name

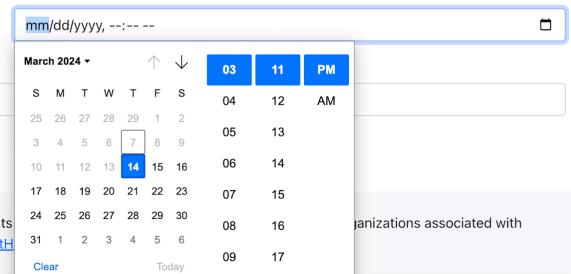
School  Term

StartDate(iso format)  EndDate(iso format)

GithubOrg

Create Cancel

Organic is a project of [CS156](#), a course at UC Santa Barbara. Its purpose: provide students programming and software engineering courses. The open source code is available on [GitHub](#).



Organic Courses Admin ▾ Welcome, shashank790 Log Out

### Create New Course

Name

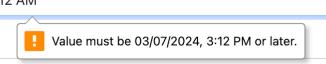
School  Term

StartDate(iso format)  EndDate(iso format)

GithubOrg

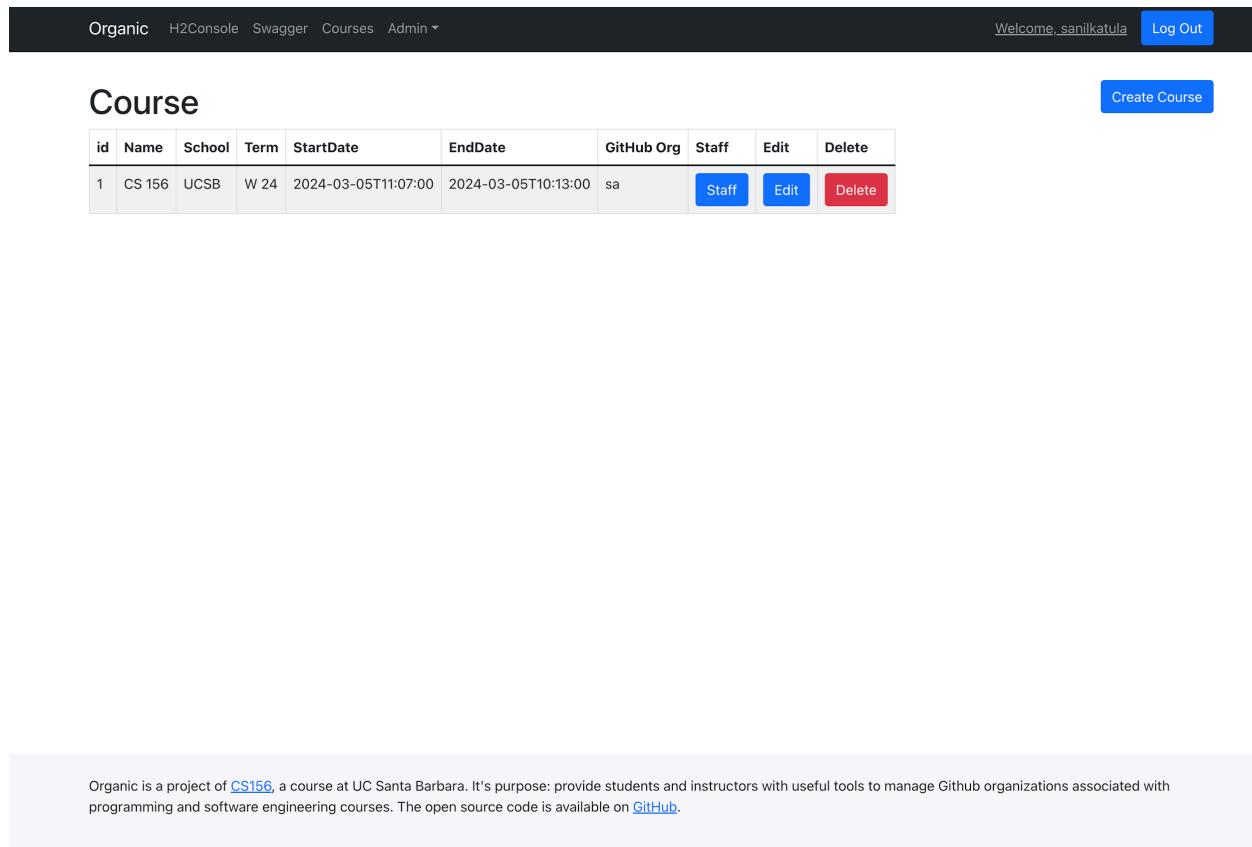
Create Cancel

Organic is a project of [CS156](#), a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on [GitHub](#).



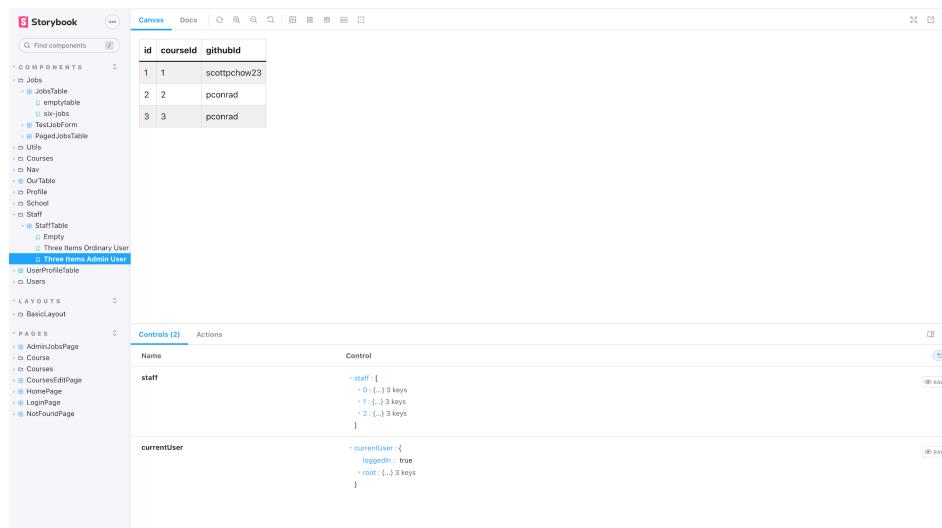
## [Feature]: added staff button in addition to a table component, fixtures and storybook.

Staff Button:



The screenshot shows a table component displaying course information. The columns include id, Name, School, Term, StartDate, EndDate, GitHub Org, Staff, Edit, and Delete. A single row is shown with values: id=1, Name=CS 156, School=UCSB, Term=W 24, StartDate=2024-03-05T11:07:00, EndDate=2024-03-05T10:13:00, GitHub Org=sa, Staff (button), Edit (button), and Delete (button). A blue 'Create Course' button is located at the top right. Below the table, a note states: "Organic is a project of CS156, a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on [GitHub](#).

## Storybook Representation for fixtures:

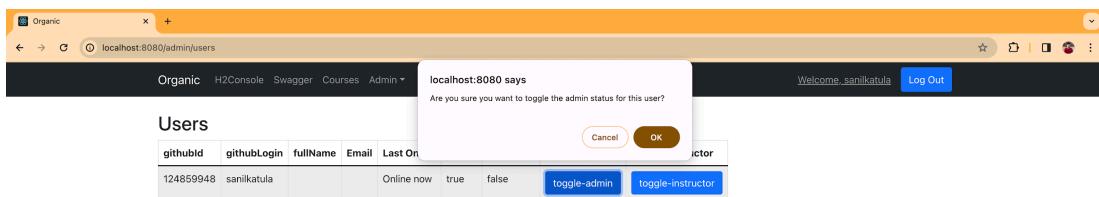


The screenshot shows the Storybook interface with the 'Components' tab selected. It displays a table fixture named 'StaffTable' with three items: 'Empty', 'Three Items Ordinary User', and 'Three Items Admin User'. The 'Three Items Admin User' item is currently selected. The 'Controls' section shows a 'staff' control with a dropdown menu containing three options: '0', '1', and '2'. The 'currentUser' control is also visible. The left sidebar lists various components and pages, such as Jobs, Courses, Staff, and AdminJobsPage.

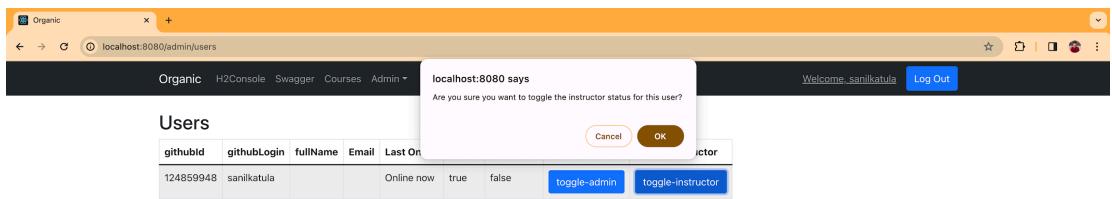
## [Feature]: added popup warning

This PR added a popup window confirmation. This will help minimize toggling admin rights by mistake. Whenever someone tries to toggle their rights either admin or instructor they will be notified of what they are doing by a popup.

For admin:-



For instructor:-



**[Feature] gave the website a look over**

## Login Page, Earlier:



## Login Page, Now:



Organic is a project of [CS156](#), a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on [GitHub](#).

## Home Page, Earlier:

The screenshot shows a dark-themed web application interface. At the top, there is a navigation bar with links for "Organic", "Courses", and "Admin". On the right side of the bar, it says "Welcome, sanilkatula" and has a blue "Log Out" button. The main content area features a large, bold "Welcome" heading. Below this, there is a light gray box containing a paragraph of text about the project's purpose and its association with CS156 and GitHub.

Organic is a project of [CS156](#), a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on [GitHub](#).

## Home Page, Now:

The screenshot shows the same dark-themed web application interface, but with a noticeable change in the main content. The "Welcome" heading has been replaced by a larger, bold "Good evening, sanilkatula" message, indicating a personalized greeting or a new user experience feature.

## Page not found, Earlier:

The screenshot shows a dark-themed web application interface. At the top, there is a navigation bar with links for "Organic", "Courses", and "Admin". On the right side of the bar, it says "Welcome, sanilkatula" and has a "Log Out" button. Below the navigation bar, the main content area features a large red header with the text "404 Error!". Underneath the header, a message reads "The Page You Are Looking For Does Not Exist Or You Do Not Have Access!". At the bottom of the page, there is a light gray footer section containing text about the project being a CS156 course at UC Santa Barbara and its GitHub repository.

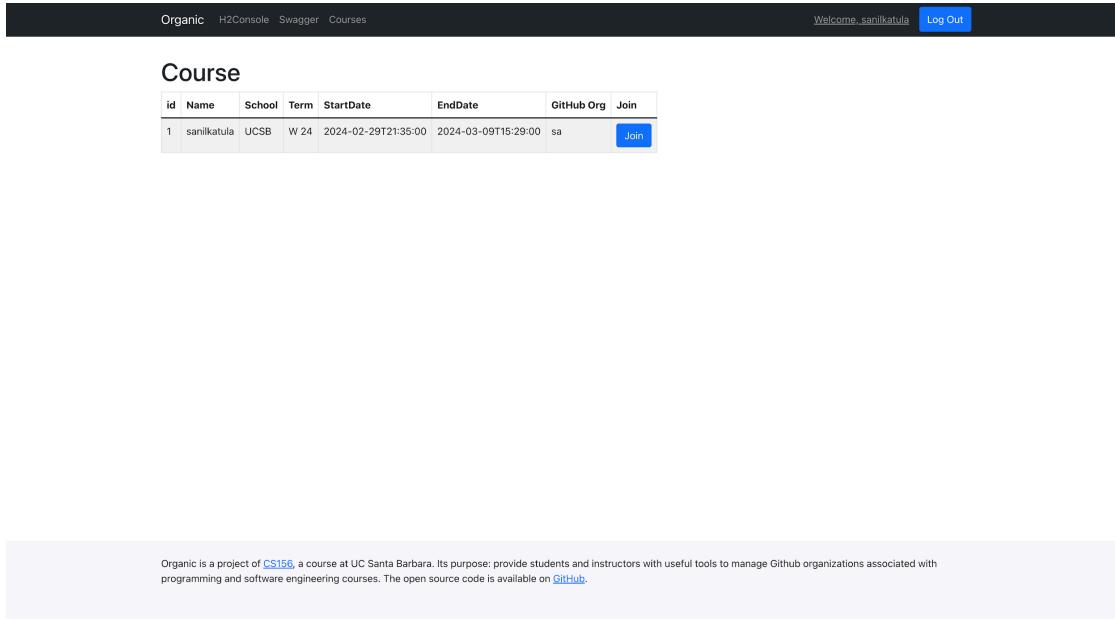
## Page not found, Now:

The screenshot shows a dark-themed web application interface. At the top, there is a navigation bar with links for "Organic", "H2Console", and "Swagger". On the right side of the bar, it says "Welcome, sanilkatula" and has a "Log Out" button. Below the navigation bar, the main content area features a large red header with the text "Oops! We can't find that page.". Underneath the header, a message reads "But don't worry, it's probably just lost in space. Let's find you a way back home." Below this message are two input fields: "Search for courses." and a "Search" button. Further down, there is a link "Or try these links to get back on track:" followed by three blue underlined links: "Home", "Courses", and "Contact Us". At the bottom of the page, there is a light gray footer section containing text about the project being a CS156 course at UC Santa Barbara and its GitHub repository.

In this page, the search bar is a placeholder and is a TODO. The home button takes the user to home. The 'course' button would take the user to courses once merged with the main. 'Contact us' and 'let us know' are also place holders.

## [Feature]: added join for normal users

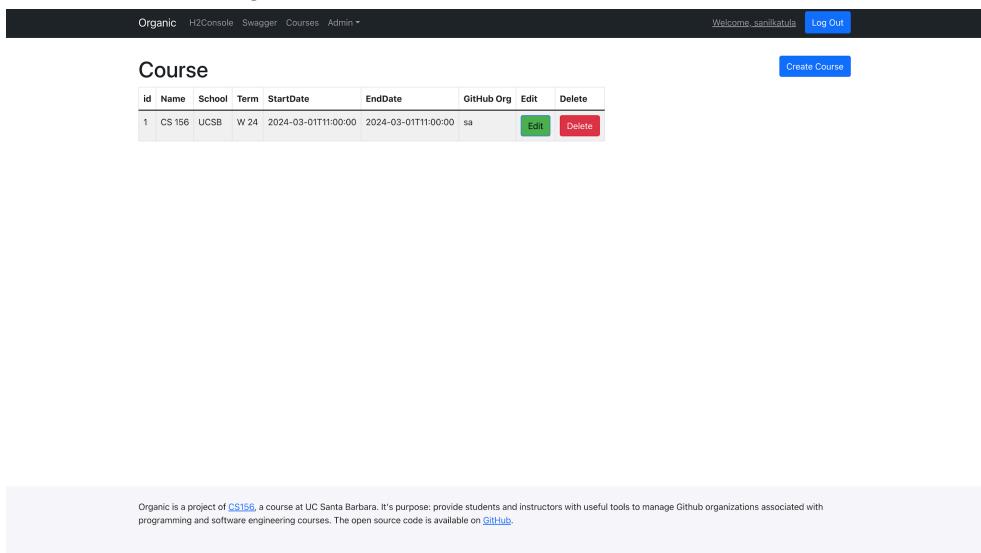
We added the join button for users to see. Admin and Instructors can not see the join button. Mutation is 100% for both frontend and backend.



The screenshot shows a table titled "Course" with columns: id, Name, School, Term, StartDate, EndDate, GitHub Org, and Join. There is one row of data: id 1, Name sanilkatula, School UCSB, Term W 24, StartDate 2024-02-29T21:35:00, EndDate 2024-03-09T15:29:00, GitHub Org sa, and a blue "Join" button. At the top, there is a navigation bar with links: Organic, H2Console, Swagger, Courses, Admin, and a user dropdown. On the right, it says "Welcome, sanilkatula" and has "Log Out" and "Create Course" buttons. A footer note at the bottom left states: "Organic is a project of CS156, a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on GitHub."

## [Feature] developer can use unlimited colors for buttons

We added the code such that now "ButtonColumn" can take in both variant and hexcode which gives the developer more colors to work with for buttons. Like in the below image we have used green color for edit, earlier we were stuck with variants like; primary(blue), secondary(grey) and danger(red). Now we have unlimited options using hex codes. Also added a condition that changes the text color to black if the background is getting light and changes the font back to white on dark backgrounds



The screenshot shows a table titled "Course" with columns: id, Name, School, Term, StartDate, EndDate, GitHub Org, Edit, and Delete. There is one row of data: id 1, Name CS 156, School UCSB, Term W 24, StartDate 2024-03-01T11:00:00, EndDate 2024-03-01T11:00:00, GitHub Org sa, and two buttons: a green "Edit" button and a red "Delete" button. At the top, there is a navigation bar with links: Organic, H2Console, Swagger, Courses, Admin, and a user dropdown. On the right, it says "Welcome, sanilkatula" and has "Log Out" and "Create Course" buttons. A footer note at the bottom left states: "Organic is a project of CS156, a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on GitHub."

## Backend development:

### DELETE part of School controller:

- This is a part of the backend functionality.
- This also includes the liquibase file for schools api. This takes in abbrev as a string based id

The screenshot shows the DELETE /api/schools endpoint in a Swagger UI. The top bar has a red 'DELETE' button and the URL '/api/schools'. The title is 'Delete a school'. Below the title, there's a 'Parameters' section with one parameter: 'abbrev \* required string (query)' with a value 'abbrev'. There's a 'Cancel' button in the top right. A large blue 'Execute' button is at the bottom. Under 'Responses', there's a 200 OK status with a media type dropdown set to 'application/json'. The example value is '{}'. A note says 'Controls Accept header.' and 'Example Value | Schema'. The 'Links' section says 'No links'.

### POST part of the schools controller:

- Below you can see an image of the swagger interface.
- The abbrev has to be all lowercase.
- The format of termDescription is set by the value of termRegex. Example if termRegex = "[WSMF]\d\d" then termDescription must look like F24 or something similar. If these conditions aren't met an dynamically implemented illegal argument error is thrown.

The screenshot shows the POST /api/schools/post endpoint in a Swagger UI. The top bar has a green 'POST' button and the URL '/api/schools/post'. The title is 'Create a new school'. Below the title, there's a 'Parameters' section with five parameters:

- 'abbrev \* required string (query)' with a value 'ucsb'
- 'name \* required string (query)' with a value 'name'
- 'termRegex \* required string (query)' with a value 'termRegex'
- 'termDescription \* required string (query)' with a value 'termDescription'
- 'termError \* required string (query)' with a value 'termError'

A large blue 'Execute' button is at the bottom. The background of the interface is light green.

## PUT section of the schools API:

- Takes university domain name abbrev in the form of a string as input
- Details can be input through the request body window

PUT /api/schools/update Update information for a school

Parameters

Name	Description
abbrev * required	abbrev

Request body required

```
{
  "abbrev": "string",
  "name": "string",
  "termRegex": "string",
  "termDescription": "string",
  "termError": "string"
}
```

application/json

Execute

## School get one and get all:

implements GET section of the school api it has both get all and get by one specific id for which all the authorization tests such as logged in user, existence of id etc all pass

GET /api/schools Get a single school by abbreviation

Parameters

Name	Description
abbrev * required	this-is-my-id

Execute Clear

Responses

Code: 404

curl -X 'GET' '\<http://localhost:8080/api/schools/this-is-my-id>' \ -H 'User-Agent: curl/7.54.0' \ -H 'Accept: \*/\*' \ -H 'X-SF-TOKEN: f4f5946-f314-4c71-9add-1962d65d97'

Request URL: <http://localhost:8080/api/schools/this-is-my-id>

Server response

Code: Details

Error: response status is 404

Response body

```
[{"type": "EntityNotFoundException", "message": "School with id this-is-my-id not found"}]
```

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Fri, 13 Mar 2020 08:03:23 GMT
expires: 0
keepalive: timeout=60
pragma: no-cache
transfer-encoding: chunked
x-content-type-options: nosniff
x-frame-options: SAMEORIGIN
x-xss-protection: 1; mode=block
```

Responses

Code: Description

200 OK

GET /api/schools/all List schools

Parameters

No parameters

Execute Clear

Responses

Code: Details

curl -X 'GET' '\<http://localhost:8080/api/schools/all>' \ -H 'User-Agent: curl/7.54.0' \ -H 'Accept: \*/\*' \ -H 'X-SF-TOKEN: 5ab0154e-0c92-455d-b032-7b5a03947ff'

Request URL: <http://localhost:8080/api/schools/all>

Server response

Code: Details

200 Response body

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Fri, 13 Mar 2020 08:03:23 GMT
expires: 0
keepalive: timeout=60
pragma: no-cache
transfer-encoding: chunked
x-content-type-options: nosniff
x-frame-options: SAMEORIGIN
x-xss-protection: 1; mode=block
```

Responses

Code: Description

200 OK

## [Feature]: Backend - Add entity and repository class for schools table

We added repo and entities for school since it needed some initial tests to run for checks to pass. We put school tests as well.

## [Feature] added total courses counter to course table

When applied, you are now able to see the total number of courses that are within the table, as below:

The screenshot shows a web application interface for managing courses. At the top, there is a navigation bar with links for 'Organic', 'H2Console', 'Swagger', 'Courses', and 'Admin'. On the right side of the bar, it says 'Welcome, shashank790' and has 'Log Out' and 'Create Course' buttons.

The main content area is titled 'Course' and displays a table with two rows of course data. The columns are labeled 'id', 'Name', 'School', 'Term', 'StartDate', 'EndDate', 'GitHub Org', 'Edit', and 'Delete'. The first row has values: id=1, Name=test, School=test, Term=test, StartDate=2024-03-13T00:14:00, EndDate=2024-03-29T00:14:00, GitHub Org=test, Edit button, Delete button. The second row has values: id=7, Name=new, School=new, Term=new, StartDate=2024-03-06T12:37:00, EndDate=2024-03-21T12:37:00, GitHub Org=324241, Edit button, Delete button.

At the bottom of the page, there is a note: 'Organic is a project of [CS156](#), a course at UC Santa Barbara. Its purpose: provide students and instructors with useful tools to manage Github organizations associated with programming and software engineering courses. The open source code is available on [GitHub](#).

**FRONTEND:** Created a table for schools api (school table and school utils dev)  
adds table section for frontend development of schools api. Passes all mutation and npm testing. Includes a Utils file for school.

### School index page - added index page for frontend section of schools

- This includes the 'manage schools' section of the drop down menu under admin only accessible to admins and the main page.
- This includes the main page where you can edit, create, and delete values ion the school table. None of the other pages are set up and clicking the buttons results in a 404 page not found.

The screenshot shows a web application interface for managing schools. At the top, there is a navigation bar with links for 'Organic', 'H2Console', 'Swagger', 'Courses', and 'Admin'. On the right side of the bar, it says 'Welcome, vcnardi524' and has 'Log Out' and 'Create School' buttons.

The main content area is titled 'School' and displays a table with one row of school data. The columns are labeled 'Abbrev', 'Name', 'TermRegex', 'TermDescription', 'TermError', 'Edit', and 'Delete'. The row has values: Abbrev=ucsb, Name=string, TermRegex=string, TermDescription=string, TermError=string, Edit button, Delete button.

A sidebar menu on the right contains three items: 'Manage Schools', 'Users', and 'Manage Jobs'. The word 'Welcome' is displayed prominently in large text below the sidebar.

For this release, that is what we have. Tell us which new feature should be our top priority.

**PRs that went into the release notes above:**

Here are the pull requests (PRs) that contributed to the updates mentioned in the release notes above. You might find it interesting to observe how the descriptions from these PRs were condensed and incorporated into the summary of the release notes below.

[PL - Adds form component, storybook page, and 100% test and mutation coverage #39](#)  
[PL - Bug fix footer #40](#)  
[PL - Icon bug fix #41](#)  
[sk - added \[FEATURE\]: Instructors can create, edit and delete courses #43](#)  
[PL - \[Feature\] User view course #44](#)  
[sk - resolved \[BUG\]: Last Online in User Profile Defaults to Wrong Date #47](#)  
[sk - added \[Feature\] join for normal user #52](#)  
[sb - fixed bug where course can end before it starts #54](#)  
[sk - \[Feature\] developer can use unlimited colors for buttons #56](#)  
[Jenil add entity and repository class for schools table #57](#)  
[sk - \[Feature\] added staff button. in addition to a table component, fixtures and storybook. #58](#)  
[sb - \[Feature\] added total courses counter to course table #64](#)  
[sk - added popup warning #67](#)  
[sk - \[Feature\] gave the website a look over. #70](#)  
[Victor school delete dev #60](#)  
[Victor school post dev #61](#)  
[Victor school put dev #62](#)