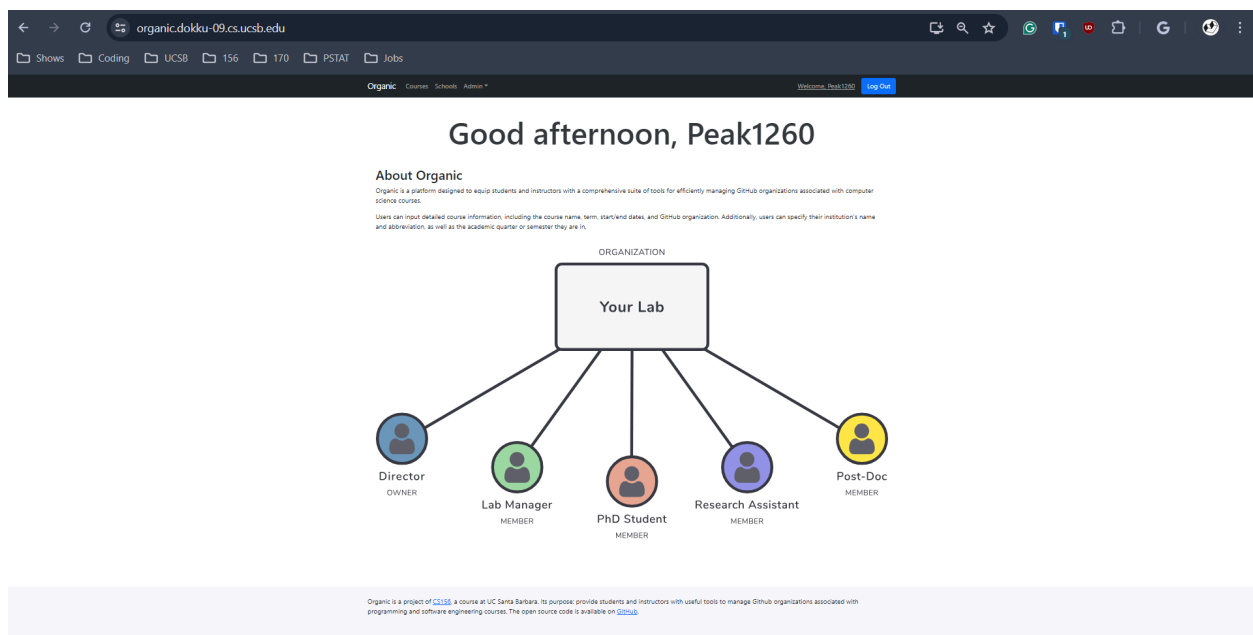


From: s24-5pm-1  
Date: Thu, May 30, 2024 at 5:00 PM  
Subject: Organic New Release Update  
To: Phil Conrad and the CS156 Teaching Staff

Here is the summary of the updates/changes we have made to the Organic Project:

**[Feature] Home page has a quick info on what the project is about:**

Users will now be entered with a friendly message when they log in. They will know what this project is about and what can be done on this website. There is also a depiction of what GitHub organizations are.



**[Feature] Course show page now displays the individual course information:**

By clicking on the show button on a course that has been created, admins/instructors can navigate to a page displaying specific course information.

Organic

Swagger

Courses

Schools

Admin

Welcome, JUsitSAGELog Out

Course

Create Course

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Show	Staff	Edit	Delete	Join
2	UCSB GitHub Org	UCSB	F25	2024-06-01T18:05:00	2024-12-01T18:05:00	ucsb-cs156-f25	Show	Staff	Edit	Delete	Join

The course information can also be edited from this page by clicking the edit button. The page should also be able to upload courses and view staff/student rosters though that hasn't been fully implemented yet.

Organic

Swagger

Courses

Schools

Admin

Welcome, Peak1260Log Out

Individual Course Information

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Staff	Edit
2	UCSB GitHub Org	UCSB	F25	2024-06-01T18:05:00	2024-12-01T18:05:00	ucsb-cs156-f25	Staff	Edit

As an admin or instructor, you can navigate from the main courses page to a specific page for each course. This allows you to see a page dedicated to your specific course, which includes functionalities such as uploading the student roster, adding students or staff, and other course-related tasks.

[Feature] Student table now appears on the course show page:

A student table is now added to the course show page so that whenever a user clicks on the show button of a course. The course show page that pops out will have a view student section that displays the information of all students in this course:

Individual Course Information

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Staff	Edit
2	UCSB GitHub Org	UCSB	F25	2024-06-01T18:05:00	2024-12-01T18:05:00	ucsb-cs156-f25	Staff	Edit

As an admin or instructor, you can navigate from the main courses page to a specific page for each course. This allows you to see a page dedicated to your specific course, which includes functionalities such as uploading the student roster, adding students or staff, and other course-related tasks.

Course Roster:

Upload Roster

Staff Roster:

View Staff

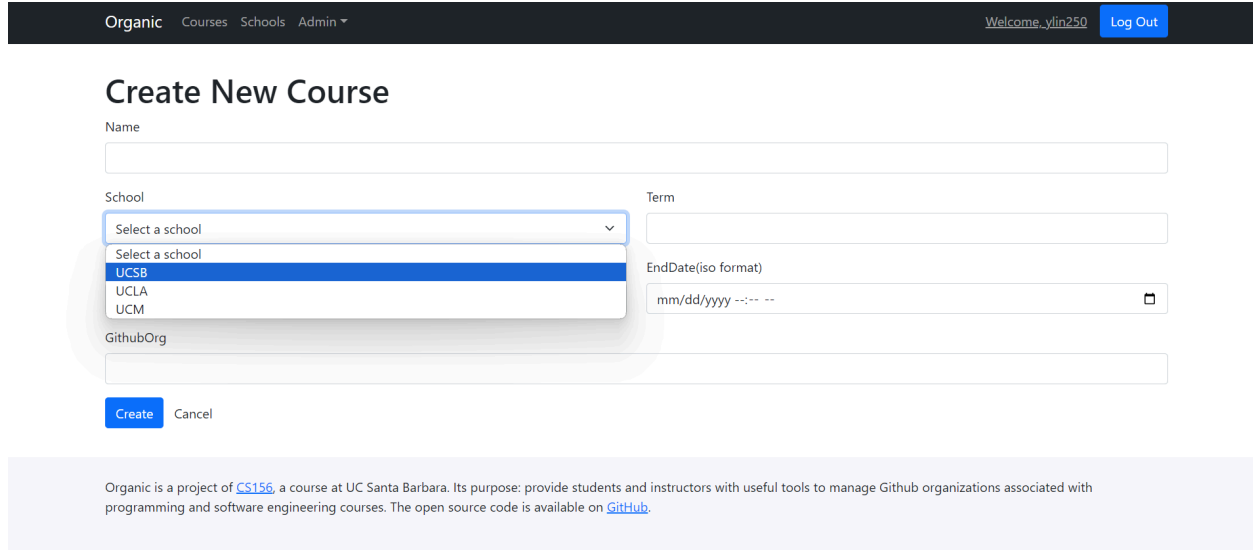
Student Roster:

View Students

id	courseId	githubId	fname	lname	studentId	email
1	2		CHRIS FAKE	GAUCHO	A123456	cgaucho@umail.ucsb.edu
2	2		LAUREN	DEL PLAYA	A987654	ldelplaya@umail.ucsb.edu
3	2		SABADO	TARDE	1234567	sabadotarde@umail.ucsb.edu

**[Feature] Courses now have a drop-down menu for the list of schools, instead of text input:**

In this feature, we changed the school textbox input field in the course creation page into a dropdown selection instead. This is what it looks like:



The screenshot shows the 'Create New Course' page. At the top is a dark navigation bar with 'Organic' and links to 'Courses', 'Schools', and 'Admin'. On the right of the bar, it says 'Welcome, ylin250' and has a 'Log Out' button. The main heading is 'Create New Course'. Below it are several input fields: 'Name' (a text box), 'School' (a dropdown menu with 'UCSB' selected), 'Term' (a text box), 'EndDate(iso format)' (a text box with a calendar icon), and 'GithubOrg' (a text box). At the bottom left are 'Create' and 'Cancel' buttons. A light blue footer bar contains text about the project 'Organic' and its purpose.

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](#).

The dropdown selection shown calls `api/schools/all` to populate the dropdown with a list of schools. To test the feature, make sure a school is created in the school creation page first, then navigate to the courses page, and select the box in the school field to see the dropdown. After that, you can proceed to create a course after all the other input fields have been filled.

**[Feature] Staff index and create page shows staff information:**

A staff index page now displays the user ID, course ID, and GitHub ID. Admins/instructors can view all this information after clicking the staff button on the course and can also opt to delete a course as well. By clicking the delete button, it will delete the row from the table entirely.

The screenshot shows the 'Staff' page in the Organic application. The page has a dark header with navigation links: Organic, Swagger, Courses, Schools, Admin. On the right, it says 'Welcome, Peak1260' and has a 'Log Out' button. Below the header, there's a title 'Staff' and an 'Add Staff' button. A table lists staff members with columns: id, courseId, githubId, and Delete. The table contains three rows of data, each with a red 'Delete' button.

id	courseId	githubId	Delete
2	2	92136161	Delete
3	2	19506566	Delete
4	2	91151532	Delete

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](#).

If they click add staff, they can input a GitHub login and it would add staff on the index page:

The screenshot shows the 'Add New Staff' page in the Organic application. The page has a dark header with navigation links: Organic, Swagger, Courses, Schools, Admin. On the right, it says 'Welcome, Peak1260' and has a 'Log Out' button. Below the header, there's a title 'Add New Staff' and a form for 'Github Login'. The form has a text input field and a blue 'Add' button.

### [Feature] Added ability to create, edit, and delete schools:

In this feature, we enable the admins to create, edit, and delete schools on the school page. In the older version, There is a create and an edit button but when people click on those buttons, no relevant pages will show up.

In the current version, if you are an admin and when you click on the school button on the top, There is a create school button that allows you to create a new school:

The screenshot shows the 'School' page in the Organic application. The page has a dark header with navigation links: Organic, Swagger, Courses, Schools, Admin. On the right, it says 'Welcome, JUSTISAGE' and has a 'Log Out' button. Below the header, there's a title 'School' and a table with columns: Abbrev, Name, TermRegex, TermDescription, Edit, and Delete. A red arrow points to a 'Create School' button in the top right corner.

Abbrev	Name	TermRegex	TermDescription	Edit	Delete
--------	------	-----------	-----------------	------	--------

Once you fill in all the information needed for a school and click create, a new school will be created and shown on the page:

organic.dokku-09.cs.ucsb.edu/schools/create

Organic Swagger Courses Schools Admin

Welcome, J!ustISAGE Log Out

### Create New School

Abbreviation (all lowercase)

ucsb

Name

UC Santa Barbara

Term Regex(Example: W24)

W24

Term Description (e.g. Quarter, Semester, Session)

Quarter

Create Cancel

organic.dokku-09.cs.ucsb.edu/schools

Organic Swagger Courses Schools Admin

Welcome, J!ustISAGE Log Out

New school created - id: ucsb

Create School

### School

Abbrev	Name	TermRegex	TermDescription	Edit	Delete
ucsb	UC Santa Barbara	W24	Quarter	Edit	Delete

Then, if you click the edit button of a school, you can change its attributes (Name, TermRegex...etc). Note that Abbrev served as the ID of a school and therefore can't be changed. Also, by clicking on the delete button of a school, it will no longer show up on the index page.

organic.dokku-09.cs.ucsb.edu/schools/edit/ucsb

Organic Swagger Courses Schools Admin

Welcome, J!ustISAGE Log Out

### Edit School

Abbreviation (all lowercase)

ucsb

Name

University of

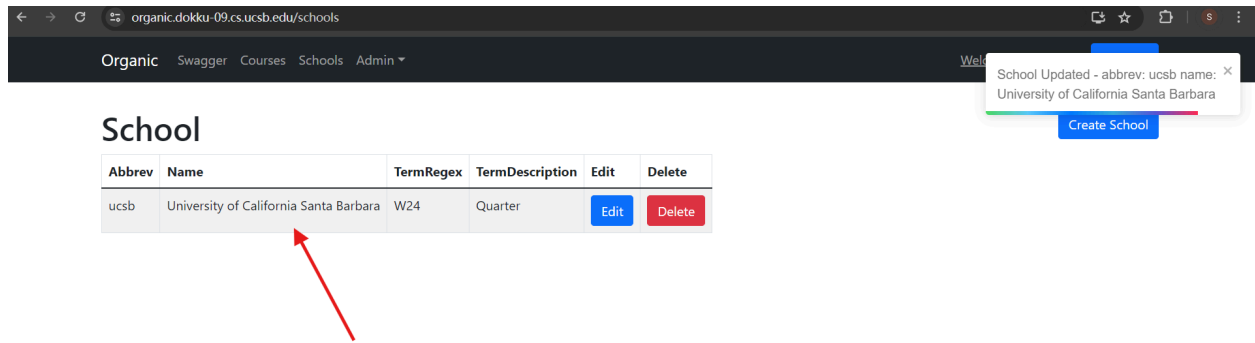
Term Regex(Example: W24)

W24

Term Description (e.g. Quarter, Semester, Session)

Quarter

Update Cancel



### **[Feature] Added explanations to the school form so users can understand what to input:**

In this feature update, I:

- 1) Added tips for every field so admins can understand what each field is.
- 2) Changed the Regex term so now it accepts regex like `[WSMF]\d\d` (Example: W24)
- 3) Made the form more clear to the user by adding more detailed descriptions

### **Create New School**

Abbreviation (all lowercase)

Name 

Please enter the name of the academic term used at your school. For example: Semester, Quarter, Session, etc.

Term Regex(Example: W24)

Term Description (e.g. Quarter, Semester, Session)

### **[Feature] Removed TermError from the UX:**

When creating a new school it had a field called “Term Error” that was unnecessary so in this feature I got rid of the “Term Error” field. This is how it looks right now:

### **Create New School**

Abbreviation (all lowercase)

Name

Term Regex(Example: W24)

Term Description (e.g. Quarter, Semester, Session)

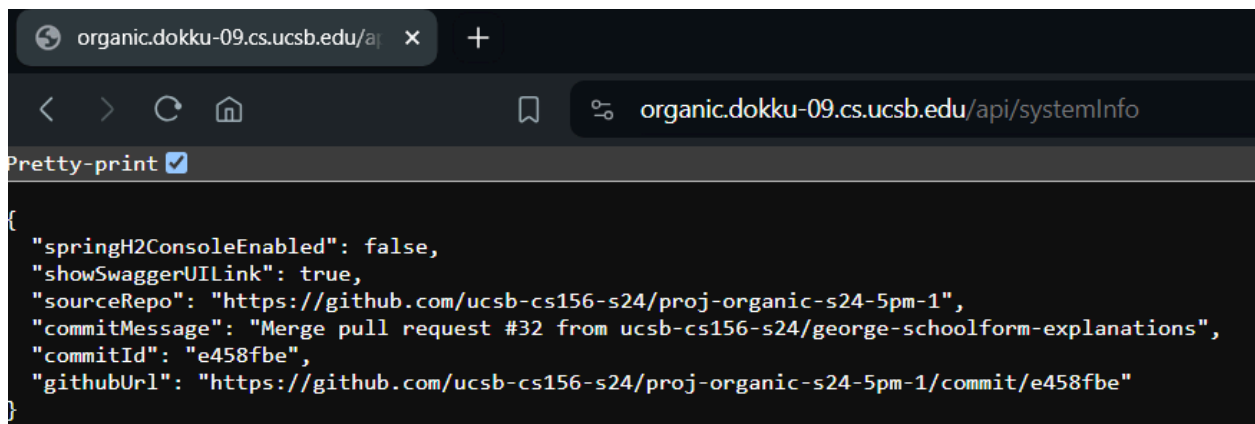
This is how it looked previously:

## Create New School

Abbreviation	Name	Term Regex
<input type="text"/>	<input type="text"/>	<input type="text"/>
Term Description		
<input type="text"/>		
Term Error		
<input type="text"/>		
<input type="button" value="Create"/> <input type="button" value="Cancel"/>		

### [Feature] Expose commit info on api/systemInfo:

We modified the System Info model and service implementation so that when you visit `/api/systemInfo`, you'll additionally obtain information about the latest commit that is running, including the id, message, and a URL to that commit on github.com.



The source repo value is set by an environment variable, so make sure to set `SOURCE_REPO=github.com/ucsb-cs156-s24/proj-organic-s24-5pm-1` in your `.env` file.

C/C++

Local Machine:

```
dokku git:set <your dokku instance name> keep-git-dir true
```

Dokku:

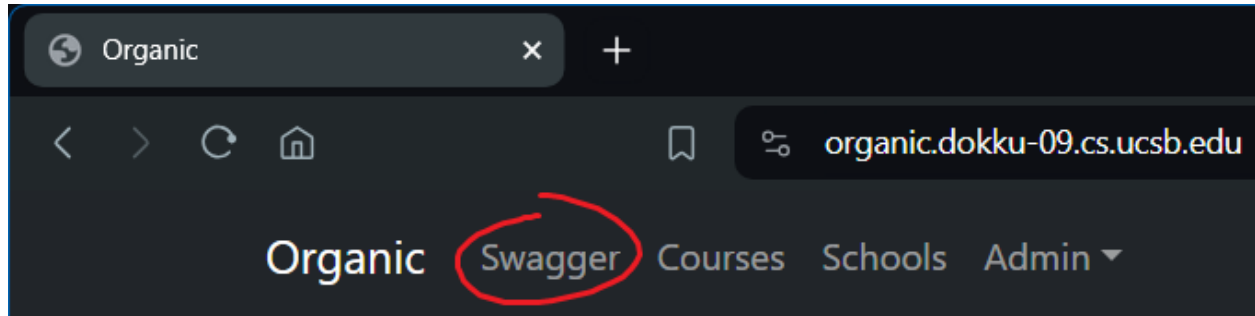
```
dokku config:set --no-restart <your dokku instance name>
```

```
SOURCE_REPO=github.com/ucsb-cs156-s24/proj-organic-s24-5pm-1
```

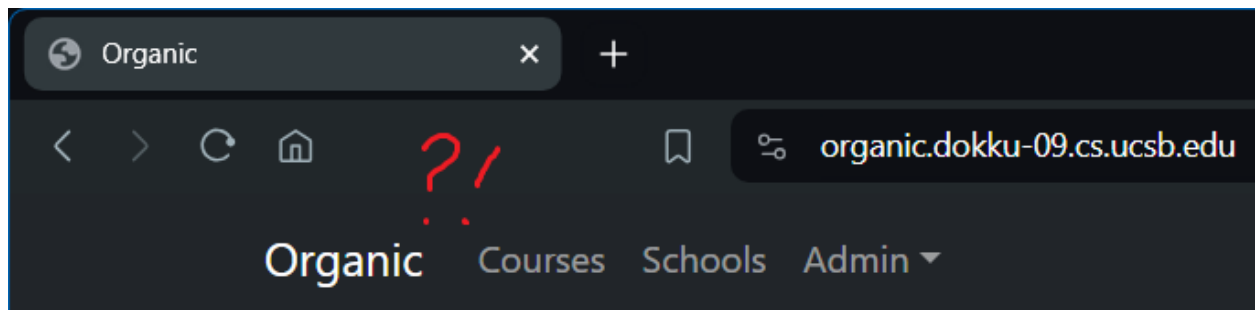
**[Feature] Swagger can now be shown by changing environmental variable:**

We've added the functionality to change whether or not the "Swagger" option appears on the top NavBar through the `SHOW_SWAGGER_UI_LINK` environment variable.

If you set the environment variable `SHOW_SWAGGER_UI_LINK` to true (either in the `.env` file on localhost or via a command on Dokku), the option will appear on the NavBar,



... otherwise, it will not appear on the NavBar



**[Feature] Update imports and functions in the backend to Spring Boot 3:**

In this feature, we upgrade the backends of project-organic to spring-3. This update resolves some security issues that existed in the old version. Also, it provides more features and capabilities for future development.