

Project Organic s24-5pm 4 Release Notes

From: s24-6pm-4

Date: Thu, Jun 6, 2024 at 5:00 PM

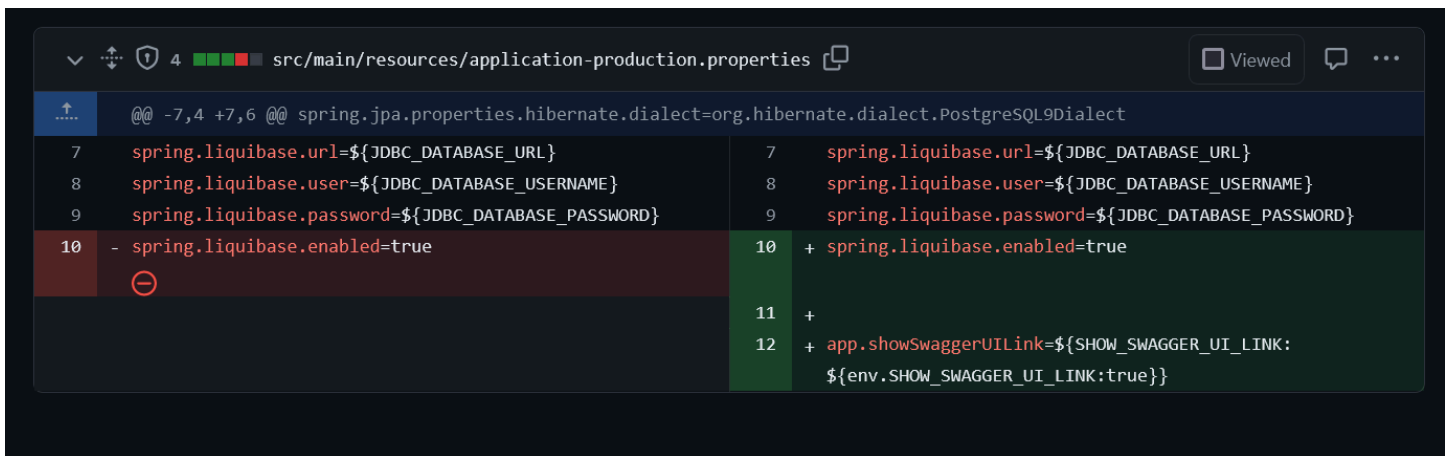
Subject: Organic New Release

To: Phil Conrad and Other Teaching Staff of CS156

[Feature]: Swagger Feature on Navbar

Swagger Navbar:

- Added the option to enable/disable a link to the Swagger UI on the application deployment on the Navigation Bar



```
@@ -7,4 +7,6 @@ spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.PostgreSQLDialect
7  spring.liquibase.url=${JDBC_DATABASE_URL}
8  spring.liquibase.user=${JDBC_DATABASE_USERNAME}
9  spring.liquibase.password=${JDBC_DATABASE_PASSWORD}
10 - spring.liquibase.enabled=true
    + spring.liquibase.enabled=true
11 +
12 + app.showSwaggerUILink=${SHOW_SWAGGER_UI_LINK:
    ${env.SHOW_SWAGGER_UI_LINK:true}}
```


Variable is set to default of true:

```
app.showSwaggerUILink=${SHOW_SWAGGER_UI_LINK:${env.SHOW_SWAGGER_UI_LINK:true}}
```

However, changes to the env. file override the code above, for example:

```
SHOW_SWAGGER_UI_LINK=false
```

Setting the variable to false:



Organic H2Console Courses Admin ▾

Setting the variable to true:



Organic H2Console **Swagger** Courses Admin ▾

[Feature]: Expose Commit

Added system tracking page to show the last commit to the repository. It can be accessed via the /api/systemInfo endpoint

```
JSON  Raw Data  Headers
Save Copy Collapse All Expand All Filter JSON
springH2ConsoleEnabled: false
showSwaggerUILink: true
sourceRepo: "https://github.com/ucsb-cs156-s24/proj-organic-s24-5pm-4.git"
githubUrl: "https://github.com/ucsb-cs156-s24/proj-organic-s24-5pm-4.git/commit/ce17a05"
commitId: "ce17a05"
commitMessage: "Merge pull request #46 from ucsb-cs156-s24/Sreeganesh-SchoolsCRUD-UIImprovements"
```

[Feature]: Home Page Update:

Updated the home page to give a little more information about the project:

This app is intended as a replacement for the [ucsb-cs-github-linker](#) app used in many courses at UCSB, as well as some courses at other universities.

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](#).

[EPIC]: Frontend for Schools CRUD

- **[Feature]: Schools Index Page:** The Admin dropdown now has a link 'Manage Schools' that links to the Index Page which lists all the schools in the database with the TermRegex and TermDescription
 - **[Feature]: UI Improvements** The Term Error parameter has been removed from the table and form due to confusion on its use case, it still exists in the backend but now is just a blank param when a school is created or edited

[Organic](#) [Swagger](#) [Courses](#) [Admin ▾](#) [Welcome, SR33G33](#) [Log Out](#)

Manage Schools

Users

Manage Jobs

Good afternoon, SR33G33

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<https://organic-qa.dokku-12.cs.ucsb.edu/admin/schools>

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School

[Create School](#)

Abbrev	Name	TermRegex	TermDescription	Edit	Delete
ucsb	UC Santa Barbara	S24	Quarter	Edit	Delete

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- **[Feature]: Schools Create Page:** Added a school create form that adds the school to the database. The Term Error parameter has been removed from the table and form due to confusion on its use case, it still exists in the backend but now is just a blank param when a school is created or edited

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Create New School

Abbreviation

Name

Term Regex

Term Description

[Create](#) [Cancel](#)

- **[Feature]: Schools Edit Page:** Added a school edit page that allows the users to modify the parameters of any school that is in the database
 - **[Bug]: Bugs in Backend:** The abbreviation parameter can no longer be edited in the Edit page as it acts as the key value. Implemented a greyed out box for the abbreviation such that it can no longer be edited
 - **[Feature]: UI Changes for Edit Page:** The Term Error parameter has been removed from the table and form due to confusion on its use case, it still exists in the backend but now is just a blank param when a school is created or edited

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Edit School

Abbreviation

ucsb

Name

Term Regex

Term Description

[Update](#) [Cancel](#)

- **[Feature]: Schools Delete Function:** The delete button endpoint on the index page now has functionality and allows the admin user to delete any school from the database

Organic

Swagger

Courses

Admin

Welcome, SR33G33

Log Out

School

Create School

Abbrev	Name	TermRegex	TermDescription	Edit	Delete
ucsb	UC Santa Barbara	S24	Quarter	Edit	Delete

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Organic

Swagger

Courses

Admin

Welcome, SR33G33

Log Out

School

Create School

Abbrev	Name	TermRegex	TermDescription	Edit	Delete
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[EPIC]: Frontend for Staff CRUD:

Added Functionality to View, Add, and Delete Staff (Per Course Basis):

From any given course, an admin can access a list of staff for that course:

Course

Create Course

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Show	Staff	Edit	Delete
1	ucsb-cs156-f24	UC Santa Barbara	F24	2024-01-01T00:00:00	2024-04-01T00:00:00	ucsb-cs156-f24	Show	Staff	Edit	Delete

From there, they see a list of staff members only for the course that they redirected from:

Staff

Add Staff Member

Total Staff: 1

id	courselid	githubid	Delete
1	1	1119017	Delete

They are able to either delete or add staff members. Pressing delete will remove that staff member from the course:

Staff

Add Staff Member

Total Staff: 0

id	courselid	githubid	Delete
----	-----------	----------	--------

If they press the “Add Staff Member” button, they are met with the following form:

Add New Staff Member

Github Login

Create

Cancel

Because most people know their Github Login but not necessarily their Github Id, they can simply enter their Github Login and the backend will perform a lookup and convert it to the associated Github Id to store it as the Github Id for a given user cannot change while their Github Login may change.

Upon entering a valid Github Login, the user will be redirected back to the course's staff page where they can see the newly added staff member (cannot be empty and must be a valid user's Github Login):

Add New Staff Member

Github Login

Github Login is required.

Create

Cancel

Organic Swagger Courses Admin

Welcome

User with id doesn'tExist not found

Add New Staff Member

Github Login

Create

Cancel

[Add Staff Member](#)

Staff

Total Staff: 1

id	courseId	githubId	Delete
3	1	1119017	Delete

[EPIC]: Courses Show Page:

Added Functionality to View the Student Roster, Upload Students from an Egrades (.csv) File, and View Course Table(Per Course Basis):

From any given course, an admin can get an overview for that course that looks as follows:

Course

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Staff	Edit	Join
3	CS test	UC test	24	2024-06-06T23:56:00	2024-06-25T23:00:00	sa	Staff	Edit	Join

Student Roster

Total Students: 0

id	courseId	fname	lname	studentId	email	githubId	user
----	----------	-------	-------	-----------	-------	----------	------

Upload Student Roster

[Browse...](#)

No file selected.

[Upload](#)

There are 3 main components; the course's table (same as the /courses page minus the show button), the student roster for that course, and a file upload to upload a student roster (a sample egrades.csv is available in the source repository) to populate the student roster.

The functionality of populating the Student Roster is shown below:

Course

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Staff	Edit	Join
3	CS test	UC test	24	2024-06-06T23:56:00	2024-06-25T23:00:00	sa	<button>Staff</button>	<button>Edit</button>	<button>Join</button>

Student Roster

Total Students: 0

id	courseId	fname	lname	studentId	email	githubId	user
----	----------	-------	-------	-----------	-------	----------	------

Upload Student Roster

Browse...

egrades.csv

Upload

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Course

Total Courses: 1

id	Name	School	Term	StartDate	EndDate	GitHub Org	Staff	Edit	Join
3	CS test	UC test	24	2024-06-06T23:56:00	2024-06-25T23:00:00	sa	<button>Staff</button>	<button>Edit</button>	<button>Join</button>

Student Roster

Total Students: 3

id	courseId	fname	lname	studentId	email	githubId	user
4	3	CHRIS FAKE	GAUCHO	A123456	cgaucho@umail.ucsb.edu		
5	3	LAUREN	DEL PLAYA	A987654	ldelplaya@umail.ucsb.edu		
6	3	SABADO	TARDE	1234567	sabadotarde@umail.ucsb.edu		

< >

Upload Student Roster

Browse...

No file selected.

Upload

[EPIC]: Refactor Course create/edit to use dropdown for schools:

Added Functionality for Schools to be Selected via a Dropdown When Creating or Editing a Course:

When creating or editing a course, a dropdown will appear for the School field. This dropdown pulls the names of the schools from the database and populates the dropdown so that the user can easily select a valid (previously) added school.

Create New Course

Name

School

UC San Diego
UC Merced
UC test

Term

EndDate(iso format)



Create

Cancel

Edit Course

Id

Name

School

UC San Diego
UC Merced
UC test

ucsb-cs156-s24

Term

EndDate(iso format)



Update

Cancel

[Developer]: Upgraded to Spring-Boot 3:

To ensure future functionality, the backend was upgraded to Spring-Boot 3 from Spring-Boot 2. Although this did not affect current functionality, it allows the application to implement new features in the future. More information about the new features Spring-Boot 3 offers can be found at

<https://www.rabitsolutions.com/blog/introduction-to-spring-boot-3-what-are-the-most-significant-changes/>

[Developer]: Implementation of Partial Mutation Pitests in pom.xml

To allow developers to test mutation coverage for individual files, the pom.xml file was modified to allow this functionality

[Developer]: Internally linked courses and schools on the backend:

To better enable the dropdown for which school when selecting a course, courses have been linked to their particular school on the backend to ensure school related updates also affect the course. As such, a copy of the school related information appears when you GET a course on swagger:

Response body

```
{
  "id": 1,
  "name": "CMPSC 156",
  "schoolAbbrev": "ucsb",
  "term": "S24",
  "startDate": "2004-03-11T00:00:00",
  "endDate": "2004-03-11T00:00:00",
  "githubOrg": "ucsb-cs156-s24",
  "school": {
    "abbrev": "ucsb",
    "name": "UC Santa Barbara",
    "termRegex": "[FMS]\\d\\d",
    "termDescription": "Quarter",
    "termError": ""
  }
}
```



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