

# Release Notes, proj-courses, s24-4pm-4

## Users:

In this build, we worked on several features associated with user-friendliness, bugs, and navigation. Previously, users were forced to access a separate course whenever they wanted to modify their personal sections. This build addresses this issue by including a delete button directly in the personal sections table so that users do not have to navigate to a separate page to remove courses they no longer want. One bug that got fixed was when a user would be able to add courses to schedules with different quarters. For example, a user can add a course from F22 to their F24 schedules. This build corrects the logic so that users can have a more intuitive experience.

- Added past grade distribution history for a specific course in the Course Details page.
  - Displayed through a table sorted in chronological and reverse grade order (earlier course grade history and higher grades would appear first) with the session (quarter and year), the instructor, and the amount of grades received
- Improved user experience for course history search feature.
  - Previously prefixes like CS130A would not work because of the CS prefix. Now changed to work with prefixes, which CS130A and 130A return the same results.
- Added delete button in personal schedules page and removed the courses page as it is no longer needed
- Previously, there was a bug that allowed users to add classes to their personal schedules with the wrong quarter. This bug is now patched.
  - Users will only be able to view and add classes to their personal schedules if the quarters match.
  - Otherwise, users will be able to click a link that will direct them to create a new personal schedule.
- Change to the home page where the default search quarter is the most recent quarter.

## Developers:


We have added new features to help streamline the development process for the app:

- The admin jobs now include a frontend implementation for the grade data job. Accessing the Swagger endpoint is no longer necessary for this job.
- Added a storybook for the new CourseGradeDistTable component displaying gradeDistFixtures
- QOL changes where new .env variables; Swagger Link and H2 Console are now able to be changed from the .env file.

- Small change in main html file that changed the previous website title from React App to UCSB Courses App.
- Default quarter for the home page starts at the last item in the quarter array. Done to give the most recent quarter for the default quarter.
- Added a function to PersonalScheduleUtils that filters schedules to match the quarter inputted.

## Features added in version s24-4pm-4

- There is now a place for users to **delete a course** directly from the **personal sections schedule details page**. Previously, users had to navigate to the courses tab to delete courses but they can now do so from a single page.


UCSB Courses Search
Personal Schedules
Courses
Other Searches ▾
Admin ▾
Welcome\_winnbert@ucsb.edu
Log Out

### Personal Schedules Details

id	Name	Description	Quarter
1	Testing	Testing	W22

### Sections in Personal Schedule

Course ID	Enroll Code	Section	Title	Enrolled	Location	Days	Time	Instructor	Delete
ANTH 2	00026	0101	INTRO CULT ANTHRO	24/25	HSSB 1231	M	8:00 AM - 8:50 AM	USMAN R	Delete
ANTH 2	00018	0100	INTRO CULT ANTHRO	450/475	IV THEA1	M W	11:00 AM - 12:15 PM	WERTH S	Delete

Back

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After pressing the delete button the course with both lecture and any associated sections

are deleted.

## Personal Schedules Details

id	Name	Description	Quarter
1	Testing	Testing	W22

## Sections in Personal Schedule

Course ID	Enroll Code	Section	Title	Enrolled	Location	Days	Time	Instructor	Delete
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Back

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Future developers should look into consolidating and refactoring `PersonalSectionsController.java` into a single `PSCourseController.java` and all associated tests.

- There is now a frontend job to **update course grade data**:

Update Grade Info

Update Grades

## Job Status

id	Created	Updated	Status	Log
1	5/27/2024, 16:59:52	5/27/2024, 17:00:08	running	Updating UCSB Grade History Data Processing data for year: 20094 Processing data for subjectArea: ANTH Processing data for subjectArea: ART CS Processing data for subjectArea: ARTHI Processing data for subjectArea: ARTST Processing data for subjectArea: AS AM

## Job Status

id	Created	Updated	Status	Log
1	5/27/2024, 16:59:52	5/27/2024, 17:21:51	complete	Updating UCSB Grade History Data Processing data for year: 20094 Processing data for subjectArea: ANTH Processing data for subjectArea: ART CS Processing data for subjectArea: ARTHI Processing data for subjectArea: ARTST Processing data for subjectArea: AS AM Processing data for subjectArea: BIOL CS

The job takes about 20 minutes to complete.

- There is now a placeholder job for updating a single course history by quarter.

Test Job	▼
Update Courses Database	▼
Update Courses Database by quarter	▼
Update Course Database by quarter range for one subject	⬆
Coming Soon! (The form for this job has not yet been created)	
Update Courses Database by quarter range	▼
Update Grade Info	▼

Future developers should consider implementing the frontend form for this job.

- Utilized unused api endpoint “/api/gradehistory/search”, which is populated by the previously unused job “api/jobs/launch/uploadGradeData”
  - Implemented CourseGradeDist component that takes on the form of a table displaying the api data (data goes through minor processing, such as processing the yyyyq into its Q YYYY counterpart; e.g. 20221 => Winter 2022)
  - Created fixtures and storybook for development testing on component

**CourseGradeDistTable**

id	Session	Course	Instructor	Grade	Count
1	FALL 2023	CMPSC 130A	Joe Test1	A-	1

**Stories**

**One Grade Data**


id	Session	Course	Instructor	Grade	Count
1	FALL 2023	CMPSC 130A	Joe Test1	A-	1

**Three Grade Data**

id	Session	Course	Instructor	Grade	Count
1	WINTER 2023	CMPSC 130B	Bob Test1	A+	3
2	SPRING 2023	CMPSC 130B	Jane Test2	A	2
3	SUMMER 2023	CMPSC 130B	Jack Test3	A-	1

- Updated Course Details page (the page when you click the info button for a specific course)

- Before (No grade distribution data displayed):

 UCSB Courses Search Other Searches ▾ [Log In](#)

### Course Details for CMPSC 130A W22

Course ID	Enroll Code	Section	Title	Enrolled	Location	Days	Time	Instructor
CMPSC 130A	08128	0100	DATA STRUCT ALGOR	80/100	CHEM 1171	T R	12:30 PM - 1:45 PM	SINGH A K


#### Course Description

Data structures and applications with proofs of correctness and analysis. Hash tables, priority queues (heaps); balanced search trees. Graph traversal techniques and their applications.

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- After (Grade distribution data displayed):

 UCSB Courses Search Other Searches ▾ [Log In](#)

### Course Details for CMPSC 130A W22

Course ID	Enroll Code	Section	Title	Enrolled	Location	Days	Time	Instructor
CMPSC 130A	08128	0100	DATA STRUCT ALGOR	80/100	CHEM 1171	T R	12:30 PM - 1:45 PM	SINGH A K

#### Course Description

Data structures and applications with proofs of correctness and analysis. Hash tables, priority queues (heaps); balanced search trees. Graph traversal techniques and their applications.

#### Course Grade Distribution for CMPSC 130A

id	Session	Course	Instructor	Grade	Count
889	FALL 2009	CMPSC 130A	GONZALEZ T F	A+	1
890	FALL 2009	CMPSC 130A	GONZALEZ T F	A	1
891	FALL 2009	CMPSC 130A	GONZALEZ T F	A-	1
892	FALL 2009	CMPSC 130A	GONZALEZ T F	B	2
893	FALL 2009	CMPSC 130A	GONZALEZ T F	B-	2
894	FALL 2009	CMPSC 130A	GONZALEZ T F	C	7
895	FALL 2009	CMPSC 130A	GONZALEZ T F	D-	2
6289	FALL 2010	CMPSC 130A	GONZALEZ T F	A+	2
6290	FALL 2010	CMPSC 130A	GONZALEZ T F	A	1
6291	FALL 2010	CMPSC 130A	GONZALEZ T F	A-	5
6292	FALL 2010	CMPSC 130A	GONZALEZ T F	B+	7
6293	FALL 2010	CMPSC 130A	GONZALEZ T F	B	2
6294	FALL 2010	CMPSC 130A	GONZALEZ T F	B-	3
6295	FALL 2010	CMPSC 130A	GONZALEZ T F	C+	3

Future developers should consider adding a filter and sort option to allow users to filter and sort the table (for instance sort from latest to oldest). Future developers should also consider revamping the UI, potentially even scraping the table component and creating a frontend layout that displays the grade distribution data in a more useful manner such as a graph.

-

- Home page default **quarter** is now most recent quarter (**Based on .env EndQtr variable**)

UCSB Courses Search H2Console Swagger Other Searches Log In

Welcome to the UCSB Courses Search App!

Quarter: S24 Subject Area: ART - Art Course Level: Undergrad-All

Submit

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
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- Course History Search Feature now allows for **prefixes** in the search
  - **Before** prefix searches would return **nothing**

UCSB Courses Search H2Console Swagger Other Searches Log In

Welcome to the UCSB Course History Search!

Start Quarter: W22 End Quarter: S23 Subject Area: CMPSC - Computer Science

Course Number (Try searching '16' or '130A'): CS130A


Submit

Quarter	Course ID	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
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- **After** prefix searches return the **same results** as non-prefix searches.


UCSB Courses Search
H2Console
Swagger
Other Searches ▾
Log In

### Welcome to the UCSB Course History Search!

Start Quarter

End Quarter

Subject Area

W22

S23

CMPSC - Computer Science

Course Number (Try searching '16' or '130A')

CS130A


Submit

Quarter	Course ID	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
W22	CMPSC 130A	DATA STRUCT ALGOR	Closed	80/100	CHEM 1171	T R	12:30 PM - 1:45 PM	SINGH A K	08128	
M22	CMPSC 130A	DATA STRUCT ALGOR	Open	16/40	387 1011	TWR	2:00 PM - 3:20 PM	SHAFIUZZAMAN	20164	
F22	CMPSC 130A	DATA STRUCT ALGOR	Closed	132/150	LSB 1001	M W	9:30 AM - 10:45 AM	VIGODA E J	07989	
W23	CMPSC 130A	DATA STRUCT ALGOR	Full	133/125	NH 1006	T R	12:30 PM - 1:45 PM	SURI S	07872	
S23	CMPSC 130A	DATA STRUCT ALGOR	Open	45/100	HFH 1104	T R	9:30 AM - 10:45 AM	SINGH A K	07245	

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- UCSB Courses Search logo is now a button that directs you to the main page. Previously there was no way to go back to the main course search page after going through different pages of the application. This gives a way for the users to go back to where they started.
- Before clicking the logo:


UCSB Courses Search
Personal Schedules
Other Searches ▾
Admin ▾
Welcome, emrecklsir@ucsb.edu
Log Out

### Welcome to the UCSB Courses Description Search!

Quarter

Subject Area

Course Level

S22

ANTH - Anthropology

Undergrad-All


Submit

Quarter	Course Id	Title	Description	Level Code	Subject Area	Units
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- After clicking the logo:

 UCSB Courses Search

Personal Schedules Other Searches Admin Welcome\_emrecikis@ucsb.edu Log Out

Welcome to the UCSB Courses Search App!

Quarter

Subject Area

Course Level

S22

ANTH - Anthropology

Undergrad-All

Submit

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
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## Bug Fixes:

Fixed a bug that allowed users to add courses to their personal schedules even if the quarters don't match:

Before: The user is searching for M24 classes but can add this course to their F24 Personal Schedule.

 UCSB Courses Search

Personal Schedules Other Searches Admin Welcome\_andersonlee@ucsb.edu Log Out

Welcome to the UCSB Courses Search App!

Quarter

Subject Area

M24

AS AM - Asian American Studies

Submit

Add to Schedule

Select Schedule

Schedule

F24 Schedule 1

Close Save Changes

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
+ AS AM 2	M24	AMERICAN MIGRATION	Open	98/100	ON LINE	MTW	9:30 AM - 10:55 AM	ZULUETA B C	21857	Info
AS AM 100CC	M24	FILIPINO AMERICANS	Full	25/25	ON LINE	MTW	12:30 PM - 1:55 PM	ZULUETA B C	21428	Add Info
AS AM 118	M24	AS AM POP CULTURE	Full	50/50	SH 1430	TWR	11:00 AM - 12:25 PM	LYTLE T J	01206	Add Info
AS AM 137	M24	MULTIETHNIC AS AM	Open		BUCHN 1934	MTW	12:30 PM - 1:55 PM	ZULUETA B C	21436	Add Info



After:

If quarters match: Users can add this course to any of their personal schedules with matching quarters.

The screenshot shows the UCSB Courses Search App interface. A modal titled "Add to Schedule" is open, displaying a list of available schedules for quarter F23. The modal includes a "Select Schedule" dropdown, a "Schedule" list, and "Close" and "Save Changes" buttons. The background shows a search form with "Quarter" set to "F23" and "Subject Area" set to "ART - Art". Below the search form is a table of course listings.

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
ART 1A	F23	VISUAL LITERACY	Open	83/100	CHEM 1171	T R	12:30 PM - 1:45 PM	TASCHIAN H J	00851	+
ART 1C	F23	INTRO CONTEMP ART	Open	121/150	EMBAR HALL	R	5:00 PM - 6:50 PM	VANDERPOOL J, MELGOZA OCEGU	00901	+
ART 7B	F23	IMAGE STUDIES	Closed	65/75	TD-W 1701	M	5:00 PM - 6:50 PM	LUKAS A V	00919	+
ART 10	F23	INTRO PAINTING	Full	18/18	ARTS 2628	T R	1:00 PM - 3:50 PM	GLOVER Y H, OKERE H N	00968	+
ART 12	F23	BEG SPATIAL PRACT	Open	15/18	ARTS 0641	M W	1:00 PM - 3:50 PM	GARCIA K, PURUGGANAN L	00976	+
ART 14	F23	LOWER-DIVISN PRINT	Open	15/18	ARTS 2235	M W	1:00 PM - 3:50 PM	SAUBESTRE K L, MCCORMICK A T	00984	+

If quarters don't match: Users will not be able to add this course to any of their personal schedules. They have the option to create a new personal schedule by clicking the "Create One" hyperlink which redirects them to the create person schedule url. (Screenshot on next page)


The screenshot shows the UCSB Courses Search App interface. A modal titled "Add to Schedule" is open, displaying a message: "No personal schedules exist for quarter F22." with a link to "Create One". The background shows a search form with "Quarter" set to "F22" and "Subject Area" set to "ART - Art". Below the search form is a table of course listings.

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
ART 1A	F22	VISUAL LITERACY	Closed	72/80	HSSB 1174	T R	12:30 PM - 1:45 PM	TASCHIAN H J	00836	+
ART 1C	F22	INTRO CONTEMP ART	Open	225/230	EMBAR HALL	R	5:00 PM - 6:50 PM	VANDERPOOL J, OKERE H N	00885	+
ART 7B	F22	IMAGE STUDIES	Open	78/82	BRDA 1640	M	5:00 PM - 6:50 PM	LUKAS A V	00893	+
ART 10	F22	INTRO PAINTING	Full	18/18	ARTS 2628	T R	1:00 PM - 3:50 PM	GLOVER Y H, MELGOZA OCEGU	00943	+
ART 12	F22	BEG SPATIAL PRACT	Open	17/18	ARTS 0641	M W	9:00 AM - 11:50 AM	MULFINGER J, CLANCY K J	00950	+
ART 14	F22	LOWER-DIVISN PRINT	Open	13/18	ARTS 2235	M W	11:00 AM - 1:50 PM	DJOUINI I, SKJOTH HEGELU	00968	+

- Fix, where the title of the website page was just **React App**. Was not descriptive or helpful on what the application was about. Title now changed to **UCSB Courses App**, which is related to the app's purpose.

UCSB Courses App

Start Page

 UCSB Courses Search [H2Console](#) [Swagger](#) [Other Searches](#) [Log In](#)

Welcome to the UCSB Courses Search App!

Quarter

Subject Area

Course Level

S24

ART - Art

Undergrad-All

Submit

Course ID	Quarter	Title	Status	Enrolled	Location	Days	Time	Instructor	Enroll Code	Info
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