

Overview

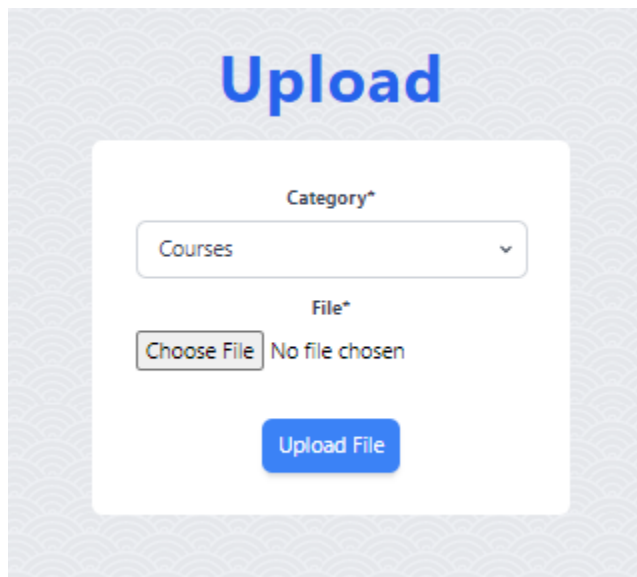
- The purpose of this tool is to assist Administrators in creating course schedules for future school semesters. The following documentation page will help Admins to navigate and maximize the tool's capabilities. Admins will be able to gather student, course, and teacher preference data. The collected data will be used to create a course schedule to mitigate preference and time constraints as well as conflicts. To get started, please review the following overview of the sections to determine where to start. Directions to navigate to required sections will start from the home page. The following sections will be displayed on the home screen for the Admin.
 - Data Sheets
 - Admin will be able to upload CSV files pertaining to 3 categories: Courses, Students, or Preferences. Uploading a preset CSV will prevent admin from having to manually input respective data one by one.
 - Admin will also be able to view previously created datasets within the tool
 - Refer to this section to get started on uploading CSV data
 - Data Base
 - Admin will be able to use data from uploaded CSVs or inputted data to create courses, course sections, teacher preferences, and input new students and teachers.
 - Admin will be able to create sets out of the section and preference data to create a schedule.
 - Refer to this section to get started on working with data for the schedule.
 - Schedules
 - Admin will be able to create a schedule view from uploaded CSVs or inputted data.
 - Admin will be able to check and edit schedules for constraint integrity.
 - Refer to this section to get started on creating the schedule.
 - Student Data Collection
 - Admin will be able to gather student data about the courses they are planning on taking for the respective semester.
 - Refer to this section to collect student data preferences to be considered in schedule creation.

Data Sheets

- Admin will be able to upload CSV files pertaining to 3 categories: Courses, Students, or Preferences. Uploading a preset CSV will prevent admin from having to manually input respective data one by one. If Admin does not have any CSV files to upload, please refer to the Database documentation [\[here\]](#) for next steps.

Step 1. Upload Courses CSV

- Admin will be able to upload a preset CSV of courses. This will prevent admin from having to manually input respective data one by one. Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category

A screenshot of a web form titled "Upload" in large blue letters. The form is white and contains a "Category*" dropdown menu with "Courses" selected. Below it is a "File*" section with a "Choose File" button and the text "No file chosen". At the bottom of the form is a blue "Upload File" button.

Step 2. Upload Students CSV

- Admin will be able to upload a preset CSV of students. This will prevent admin from having to manually input respective data one by one. Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category

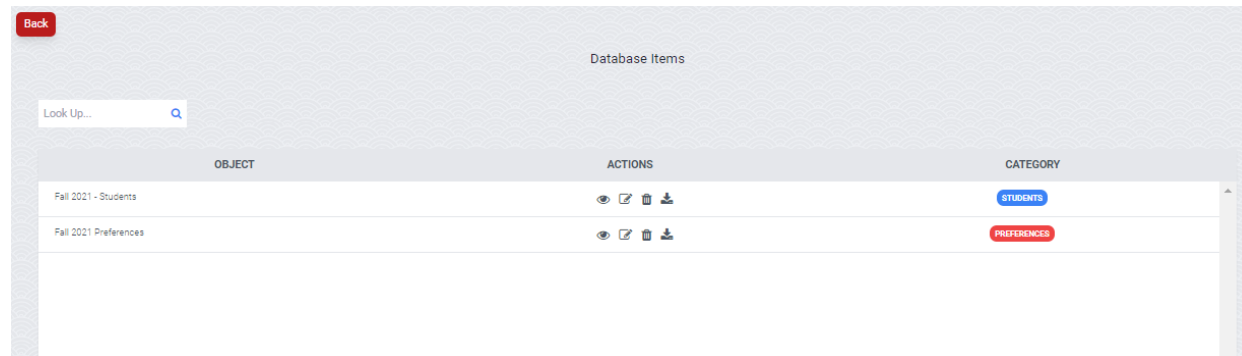
The screenshot shows a web form titled "Upload" in large blue font. Below the title is a white box containing the form elements. At the top of the box is the label "Category*" above a dropdown menu that currently displays "Students". Below this is the label "File*" above a "Choose File" button and the text "No file chosen". At the bottom of the box is a blue "Upload File" button.

Step 3. Upload Preferences CSV

- Admin will be able to upload a preset CSV of preferences. This will prevent admin from having to manually input respective data one by one. Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category

This screenshot is similar to the first one, showing the "Upload" form. However, the dropdown menu under the "Category*" label now displays "Preferences". The "File*" section with the "Choose File" button and "No file chosen" text, and the blue "Upload File" button, remain the same.









- Manage Data
 - Admin will be able to view uploaded or inputted data in the [Manage Data] section.
 - This section will also contain data created within the tool as well. The [Category] column will describe the nature of the data.
 - View data - click [eye]
 - Edit data - click [clipboard]
 - Delete data - click [trash can]
 - Download data as CSV - click [down arrow]
 - Search for a file, Admin may use the search bar in the top left hand corner or scroll through the table.
 - Note: Name course, teacher, student, and preference sets to be able to discern the sets. Most recently created datasets will appear at the bottom of the table.



Back

Database Items

Look Up...

OBJECT	ACTIONS	CATEGORY
Fall 2021 - Students	   	STUDENTS
Fall 2021 Preferences	   	PREFERENCES

Database - Manually Create a Schedule

- Admin will be able to work with inputting data in these steps. There are 2 different tracts to take inputting data into the database. If Admin would prefer to manually input data one by one, follow these steps. If Admin would like to upload data through CSVs only and work with creating datasets, please refer to the Database documentation [here] for next steps.

Step 1. Manually Add Students to Database

- Admin will be to manually add students to the database
- To add a student:
 - Click [Open Database Interface]
 - Hover over [Users] box
 - Click [Students].
- Input respective data in required fields
 - [Student ID Number] requires 7 digits
 - [Email] must refer to University delegated email
- Click [Save] to store data in the database - newly created student will appear in the table to the right
 - View student - click [eye]
 - Edit student - click [clipboard]
 - Delete student - click [trash can]
 - To search for a student, Admin may use the search bar above the table or scroll through the table

The screenshot displays a web interface for managing a database. It is divided into two main sections: 'Input Form' on the left and 'Database Items' on the right.

Input Form: This section contains several labeled input fields for adding a new student:

- Student ID Number***: A text input field containing '2222222'.
- Class Standing***: A dropdown menu with 'Junior' selected.
- First name***: A text input field containing 'John'.
- Last name***: A text input field containing 'Doe'.
- Email***: A text input field containing 'jdoe@drew.edu'.
- A green **Save** button is located at the bottom of the form.

Database Items: This section displays a table of existing database entries.

Look Up...	OBJECT	ACTIONS
	John Doe, JR : 2222222	

The table has a search bar at the top and a list of items below. The first item is 'John Doe, JR : 2222222'. To the right of each item are three icons: an eye (view), a clipboard (edit), and a trash can (delete).

Step 2. Manually Add Teacher to Database

- Admin will be to manually add teachers to the database
- To add a teacher:
 - Click [Open Database Interface]
 - Hover over [users] box
 - Click [teachers].
- Input respective data in required fields.
 - [Department] may be left blank. Admin will be able to update this field at a later time
 - [Email] must refer to University delegated email.
- Click [Save] to store data in the database - newly created teacher will appear in the table to the right
 - View teacher - click [eye]
 - Edit teacher - click [clipboard]
 - Delete teacher - click [trash can]
 - To search for a teacher, Admin may use the search bar above the table or scroll through the table.

Input Form

Department

Statistics: STAT

First name*

Jane

Last name*

Doe































Email*

jdoe1@drew.edu

Save

Database Items

Look Up...

OBJECT	ACTIONS
Barry Burd, Computer Science	  
Tiago Perez, Computer Science	  
Ziyuan Meng, Computer Science	  
Emily Hill, Computer Science	  
Diane Liporace, Computer Science	  
Jeongkyu Lee, Data Science	  
Nipa Onulak, Data Science	  
Ferdi Erusyal, Data Science	  
Ellie Small, Data Science	  
Steven Kass, Mathematics	  

Step 3. Create a Schedule Name

- Admin will be able to create a schedule name that will be referenced in the final steps in the schedule making process.
- To create a schedule name:
 - Click [Open Database Interface]
 - Hover over [Scheduling] box
 - Click [Schedules].
- Create a unique schedule name for its respective semester
- Select [Year] and [Season] of the schedule
- Click [Save] to store the schedule name in the database - newly created schedule name will appear in the table to the right
 - View schedule name - click [eye]
 - Edit schedule name - click [clipboard]
 - Delete schedule name - click [trash can]
 - To search for a schedule name, Admin may use the search bar above the table or scroll through the table.

Input Form

Name*

Fall 2021 - 1

Year*


2021




Season*

Fall

Save

Database Items

Look Up... 

OBJECT	ACTIONS
Fall 2021	  

Step 4. Manually Create Courses

- Admin will be able to create courses
- To create a course:
 - Click [Open Database Interface]
 - Hover over [Scheduling] box
 - Click [Courses]
- Input information in required fields marked with (*)
- Choose timeblock of course under [Default Timeblock] field. Course times are shown in the dropdown menu.
- [Default Primary Instructor] field contains a list of teachers created in Step 2
- Click [Save] to store the course in the database - newly created courses will appear in the table to the right
 - View course - click [eye]
 - Edit course - click [clipboard]
 - Delete course - click [trash can]
 - To search for a course, Admin may use the search bar above the table or scroll through the table.

Input Form

Database Items

Department*

Computer Science: CSCI

Name*

Intro to Python

Number*

150

Credit hours*

4

Comments

How can we automatically solve problems using computers? By the end of this course, students should be able to implement solutions to solve basic computational problems using the Python programming language. Students will learn to design, implement, document and test programs, as well as learn to apply language concepts such as iteration, decision, user-defined functions, and lists. No previous programming experience is expected. Prospective computer science majors or minors should begin with this course which is also appropriate for students who wish to learn some programming but do not plan to take any additional computer science courses. Offered every semester CLA-Quantitative

Offered annually

☒

Default timeblock







K (TuTh) 01:15 - 02:30

Default primary instructor

Diane Liporace, Computer Science

Save

Look Up...

OBJECT	ACTIONS
CSCI150	  
CSCI151	  

Step 5. Manually Create Sections

- Admin will be able to create sections for added courses in the database. Some classes have multiple sections per semester. This section will allow Admin to account for that and add respective teachers to courses.
- To create a section:
 - Click [Open Database Interface]
 - Hover over [Scheduling] box
 - Click [Sections]
- Note: Courses created in Step 4 are not considered for a schedule until a section has been created for them in this step.
- Input information in required fields marked with (*)
- [Course] field will contain a list of courses added to the database in Step 4.
- Choose timeblock of course under [Default Timeblock] field. Course times are shown in the dropdown menu.
- [Schedule] field will contain a list of schedule names created in Step 3. When a schedule name is selected, the course section will be added to the schedule's list of sections/courses
- Click [Save] to store the section in the database and assign it to the respective schedule
 - newly created sections will appear in the table to the right
 - View section - click [eye]
 - Edit section - click [clipboard]
 - Delete section - click [trash can]
 - To search for a section, Admin may use the search bar above the table or scroll through the table.

Input Form

Course*

MATH101

Section ID Number*

1000

Primary Instructor

Steven Surace, Mathematics

Secondary Instructor / Assisting Faculty

.....

Timeblock

Z (TuTh) 02:40 - 03:55













Schedule*

Fall 2021

Save

Database Items

Look Up...

OBJECT	ACTIONS
Intro to Python CSCI-150 Section 1022	  
Intro to Python CSCI-150 Section 8265	  
Intro to OOP CSCI-151 Section 5215	  
Calculus 1 MATH-101 Section 1000	  

Step 6. Manually Create Preferences

- Admin will be able to create user and course preferences to be tested against the created schedule to ensure the most optimal schedule and avoid conflicts.
- Teachers and students will submit their preferences to the Admin.
- The Admin will be able to log these preferences in this section
- To create a preference:
 - Click [Open Database Interface]
 - Hover over [Constraints] box
 - Click [Create Preference]
- Create a constraint for what time a teacher wants to teach their classes
 - Click [accounts | user] under [First Member Type]
 - Select a preference member under [First Preference Member]
 - List contains students and teachers. Select a teacher
 - Click [database | timeblock] under [Second Member Type]
 - Select timeblock teacher would prefer to teach under [Second Preference Member]
 - Click [Weight is Positive] checkbox if preference is desired
 - Click [Submit] to save preference in database

The screenshot shows a web form titled "Create Preference" with a light blue background. It contains several dropdown menus and a checkbox. The first dropdown is labeled "First Member Type:" and has "accounts | user" selected. The second dropdown is labeled "First Preference Member:" and has "dliporace@drew.edu" selected. The third dropdown is labeled "Second Member Type:" and has "database | timeblock" selected. The fourth dropdown is labeled "Second Preference Member:" and has "J (MWF) 01:15 - 02:30" selected. Below these is a checkbox labeled "Weight is Positive:" which is currently unchecked. At the bottom are two buttons: a green "Create Preference" button and a red "Go Back" button.

First Member Type:

accounts | user

First Preference Member:

dliporace@drew.edu

Second Member Type:

database | timeblock

Second Preference Member:

J (MWF) 01:15 - 02:30

Weight is Positive:

☐

Create Preference Go Back

- Create a constraint for what courses a teacher wants to teach
 - Click [accounts | user] under [First Member Type]
 - Select a preference member under [First Preference Member]
 - List contains students and teachers. Select a teacher
 - Click [database | course] under [Second Member Type]
 - Select course teacher would prefer to teach under [Second Preference Member]
 - Click [Weight is Positive] checkbox if preference is desired
 - Click [Submit] to save preference in database

The screenshot shows a web form with a light blue background and a subtle circular pattern. The form contains the following elements:

- First Member Type:** A dropdown menu with the selected option "accounts | user".
- First Preference Member:** A dropdown menu with the selected option "dliporace@drew.edu".
- Second Member Type:** A dropdown menu with the selected option "database | course".
- Second Preference Member:** A dropdown menu with the selected option "CSCI151".
- Weight is Positive:** A checkbox that is checked, indicated by a blue checkmark.
- Buttons:** Two buttons at the bottom: a green "Create Preference" button and a red "Go Back" button.

- Create a constraint for what class a student wants to take
 - Click [accounts | user] under [First Member Type]
 - Select a preference member under [First Preference Member]
 - List contains students and teachers. Select a student
 - Click [database | course] under [Second Member Type]
 - Select course student would prefer to take under [Second Preference Member]
 - Click [Weight is Positive] checkbox if preference is desired
 - Click [Submit] to save preference in database

The image shows a web form with a light blue background and a subtle circular pattern. The form contains several sections, each with a title and a dropdown menu. The first section is titled 'First Member Type:' and has a dropdown menu with 'accounts | user' selected. The second section is titled 'First Preference Member:' and has a dropdown menu with 'abaxhop17@gmail.com' selected. The third section is titled 'Second Member Type:' and has a dropdown menu with 'database | course' selected. The fourth section is titled 'Second Preference Member:' and has a dropdown menu with 'CSCI151' selected. Below these sections is a checkbox labeled 'Weight is Positive:' which is currently unchecked. At the bottom of the form are two buttons: a green 'Create Preference' button and a red 'Go Back' button.

First Member Type:

accounts | user

First Preference Member:

abaxhop17@gmail.com

Second Member Type:

database | course

Second Preference Member:

CSCI151

Weight is Positive:

☐

Create Preference Go Back

- Create a constraint for what time a class would prefer to be held
 - Click [database | course] under [First Member Type]
 - Select course under [First Preference Member]
 - List will contain a list of added courses from Step 4
 - Click [database | timeblock] under [Second Member Type]
 - Select preferred course time under [Second Preference Member]
 - Click [Weight is Positive] checkbox if preference is desired
 - Click [Submit] to save preference in database

First Member Type:

database | course ▼

First Preference Member:

CSCI151 ▼

Second Member Type:

database | timeblock ▼

Second Preference Member:











J (MWF) 01:15 - 02:30 ▼

Weight is Positive:

☒

Create Preference Go Back

- To view saved preferences, from the Home view, click [Open Database Interface], hover over [Constraints] box, click [View Saved Preferences]
- Created preferences will appear in the table
 - View preference - click [eye]
 - Edit preference - click [clipboard]
 - Delete preference - click [trash can]
 - To search for a preference, Admin may use the search bar above the table or scroll through the table.

Database Items	
Look Up... 	
OBJECT	ACTIONS
diporace@drew.edu & CSCI151 - Positive	  
diporace@drew.edu & J (MWF) 01:15 - 02:30 - Positive	  
CSCI151 & J (MWF) 01:15 - 02:30 - Positive	  

Step 7. Create Preference Sets

- Admin will be able to aggregate a list of preferences to be included in the creation of a schedule
- If the Admin does not include the list of preferences in the set, preferences will not be included in the checking the integrity of the schedule
- Create a unique set name under [New Set Name]
 - The unique preference set name will be referenced when creating a schedule in Step 8.
- Check off all relevant preferences to be added into the set
- Click [Save] to store the preference sets in the database - newly created sections will appear in the table to the right
 - View preference sets - click [eye]
 - Edit preference sets - click [clipboard]
 - Delete preference sets - click [trash can]
 - Download preference set - click [down arrow]
 - To search for a set, Admin may use the search bar above the table or scroll through the table

The screenshot displays a web application interface divided into two main panels: 'Input Form' on the left and 'Database Items' on the right.

Input Form Panel:

- Set:** A dropdown menu with a downward arrow.
- New set name:** A text input field containing 'set 3'.
- Preferences:** A section with a 'Look Up...' search bar and a list of four items, each with a checked checkbox:
 - ☒ dliporace@drew.edu & CSC1151 - Positive
 - ☒ dliporace@drew.edu & J (MWF) 01:15 - 02:30 - Positive
 - ☒ CSC1151 & J (MWF) 01:15 - 02:30 - Positive
 - ☒ admin@gmail.com & CSC1151 - Positive
- Save:** A green button at the bottom.

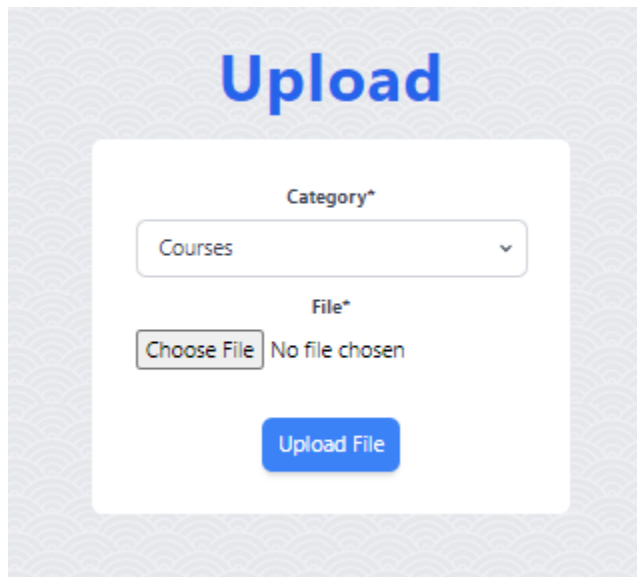
Database Items Panel:

- Look Up...:** A search bar at the top.
- Table:** A table with two columns: 'OBJECT' and 'ACTIONS'.
 - OBJECT:** Contains the text 'set 3'.
 - ACTIONS:** Contains four icons: an eye (view), a clipboard (edit), a trash can (delete), and a download arrow (download).

Database - Create Schedule using imported or existing Data

Step 1. Upload Courses CSV

- Admin will be able to upload a preset CSV of courses. This will prevent admin from having to manually input respective data one by one
 - Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file.
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category



Upload

Category*

Courses

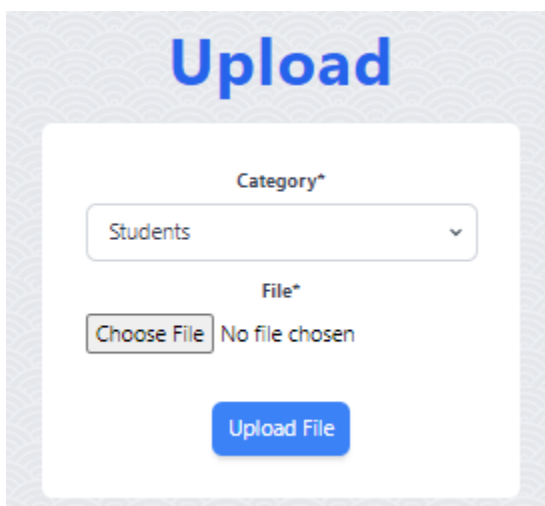
File*

Choose File No file chosen

Upload File

Step 2. Upload Students CSV

- Admin will be able to upload a preset CSV of students. This will prevent admin from having to manually input respective data one by one
 - Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category



Upload

Category*

Students

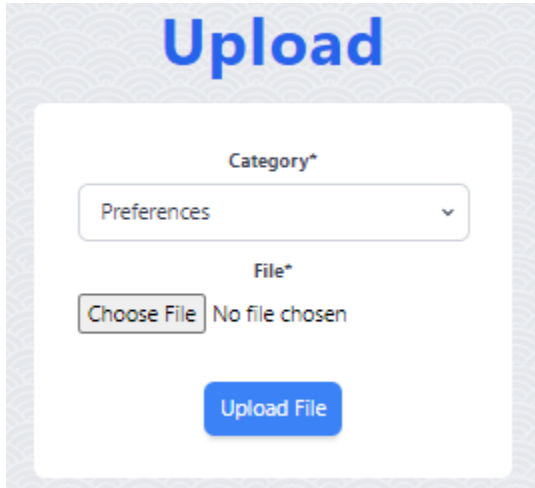
File*

Choose File No file chosen

Upload File

Step 3. Upload Preferences CSV

- Admin will be able to upload a preset CSV of preferences. This will prevent admin from having to manually input respective data one by one
 - Admin will see an error message if CSV is in the incorrect format. Follow the instructions given in the message and reupload file
- To upload a new file, click [Upload New File]
- Select corresponding category. Click on [Choose File] and select the corresponding file to its category



The screenshot shows a web form titled "Upload" in large blue text. Below the title is a white box containing the form fields. The first field is a dropdown menu labeled "Category*" with "Preferences" selected. Below this is a file selection area labeled "File*" which includes a "Choose File" button and the text "No file chosen". At the bottom of the white box is a blue "Upload File" button.

Step 4. Manage Data [crud/model-set/]

- Manage Data
 - Admin will be able to view uploaded or inputted data in the [Manage Data] section.
 - This section will also contain data created within the tool as well. The [Category] column will describe the nature of the data.
 - View data - click [eye]
 - Edit data - click [clipboard]
 - Delete data - click [trash can]
 - Download data as CSV - click [down arrow]
 - Search for a file, Admin may use the search bar in the top left hand corner or scroll through the table.
 - Note: Name course, teacher, student, and preference sets to be able to discern the sets. Most recently created datasets will appear at the bottom of the table.

Database Items		
Look Up...		
OBJECT	ACTIONS	CATEGORY
Fall 2021 - Students		STUDENTS
Fall 2021 Preferences		PREFERENCES

Step 5. Manually Input Course, Student, Preference Data

- Admin will be able to manually input data that is not recorded in respective CSV files or new updated data
- Steps to manually input courses [here] step 1
- Steps to manually input students [here] step 4
- Steps to manually input preferences [here] step 6

Step 6. Create a Schedule Name

- Admin will be able to create a schedule name that will be referenced in later steps in the schedule making process
- To create a schedule name:
 - Click [Open Database Interface]
 - Hover over [Scheduling] box
 - Click [Schedules]
- Create a unique schedule name for its respective semester
- Select [Year] and [Season] of the schedule
- Click [Save] to store the schedule name in the database - newly created schedule name will appear in the table to the right
 - View schedule name - click [eye]
 - Edit schedule name - click [clipboard]
 - Delete schedule name - click [trash can]
 - To search for a schedule name, Admin may use the search bar above the table or scroll through the table

The screenshot displays a user interface for managing schedule names, divided into two main sections: 'Input Form' and 'Database Items'.

Input Form:

- Name*:** A text input field containing 'Fall 2021 - 1'.
- Year*:** A text input field containing '2021'.
- Season*:** A dropdown menu with 'Fall' selected.
- Save:** A green button to submit the form.

Database Items:

- Look Up...:** A search bar with a magnifying glass icon.
- Table:** A table with two columns: 'OBJECT' and 'ACTIONS'.

OBJECT	ACTIONS
Fall 2021	

Step 7. Create Course Sets

- Admin will be able to add courses within the database to a set of courses. These sets will be used to create course sections in bulk to prevent having to manually enter each course section for the semester
- To create course sets:
 - Click [Open Database Interface]
 - Hover over [Sets] box
 - Select [Courses]
- Create a unique [New Set Name]
- Admin will be able to add courses to the set by checking off the corresponding courses
- If the list is too long or hard to search for respective course, admin will be able to search for the course using the search bar right above the list
- Click [Save] to store the course sets in the database - newly created course sets will appear in the table to the right
 - View course set - click [eye]
 - Edit course set - click [clipboard]
 - Delete course set - click [trash can]
 - Download course set - click [downward arrow]
 - To search for a course set, Admin may use the search bar above the table or scroll through the table

The screenshot displays a web interface divided into two main panels: 'Input Form' on the left and 'Database Items' on the right.

Input Form:

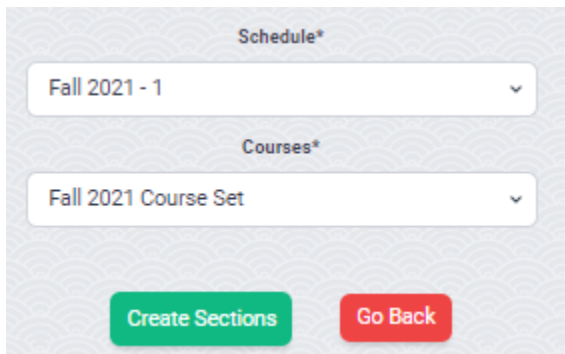
- Set:** A dropdown menu with a blank selection.
- New set name:** A text input field containing 'Fall 2021 Course Set'.
- Courses:** A section with a 'Look Up...' search bar and a list of three courses: ☒ CSC1150, ☒ CSC1151, and ☒ MATH101.
- Save:** A green button at the bottom left.

Database Items:

- Look Up...:** A search bar at the top.
- Table:** A table with two columns: 'OBJECT' and 'ACTIONS'.
 - OBJECT:** Contains the text 'set 1'.
 - ACTIONS:** Contains four icons: an eye (view), a clipboard (edit), a trash can (delete), and a downward arrow (download).

Step 8. Create Sections

- Admin will be able to create sections for added courses in the database in bulk. Some classes have multiple sections per semester. This section will allow Admin to account for that and add respective teachers to courses. Sections created in this form can be used when creating the schedule
- Steps to manually create sections [here] step 5
- Note - Admin will be able to manually create sections as well as create sections in bulk
- Otherwise - Create Sections in Bulk
 - Click [Open Database Interface]
 - Hover over [Scheduling] box
 - Select [Create Sections in Bulk]
- Choose respective schedule name created in Step 6
- Choose respective course set created in Step 7
- Save newly created sections in bulk by clicking the [Create Sections] Button



The screenshot shows a web form titled "Create Sections". It features two dropdown menus. The first dropdown, labeled "Schedule*", has "Fall 2021 - 1" selected. The second dropdown, labeled "Courses*", has "Fall 2021 Course Set" selected. At the bottom of the form are two buttons: a green "Create Sections" button and a red "Go Back" button.

Step 9. Create Preference Sets

- Admin will be able to aggregate a list of preferences to be included in the creation of a schedule. If the Admin does not include the list of preferences in the set, preferences will not be included in the checking the integrity of the schedule
- For preference sets:
 - Click [Open Database Interface]
 - Hover over [Sets] box
 - Select [Preferences]
- Create a unique set name under [New Set Name]. The unique preference set name will be referenced when creating a schedule in Step 10
- Check off all relevant preferences to be added into the set
- Click [Save] to store the preference sets in the database - newly created sections will appear in the table to the right
 - View preference sets - click [eye]
 - Edit preference sets - click [clipboard]
 - Delete preference sets - click [trash can]
 - Download preference set - click [down arrow]
 - To search for a set, Admin may use the search bar above the table or scroll through the table

The screenshot displays the 'Create Preference Sets' interface. On the left, the 'Input Form' panel includes a 'Set' dropdown, a 'New set name' field containing 'set 3', and a 'Preferences' section with a search bar and a list of four checked items. A green 'Save' button is at the bottom. On the right, the 'Database Items' panel shows a table with one row for 'set 3'. Above the table is a 'Look Up...' search bar. The table has two columns: 'OBJECT' and 'ACTIONS'. The 'ACTIONS' column contains icons for view, edit, delete, and download.

Scheduling

- Admin will be able to create a schedule view from uploaded CSVs or inputted data. Admin will be able to check and edit schedules for constraint integrity

Step 1. Create Schedule

- Admin will be able to create schedules using created sections, preferences, and sets.
- To navigate to the schedule maker:
 - Click [Begin Scheduling Process]
 - Choose schedule from dropdown. These schedule names were created in Step 3 for manual input and Step 6 in using imported data
 - Choose the constraint set in dropdown
 - Click [Run]

(1) Choose Schedule

Fall 2021 - Schedule ▼ OR + Create New Schedule

(2) Choose Constraint Set

set 3 ▼

(3) See Schedule

Run

Step 2. View and Edit Schedule

- Admin will be able to view and edit schedule to account for constraint integrity. Admin will be able to toggle classes on and off

☐ Intro to Python CSCI-150 Section 1022
 ☐ Intro to Python CSCI-150 Section 8265
 ☐ Intro to OOP CSCI-151 Section 5215
 ☐ Calculus 1 MATH-101 Section 1000

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
A 7:45 AM - 8:50 AM					
B 8:00 AM - 8:50 AM					
C 09:00 AM - 10:15 AM					
D 09:00 AM - 10:15 AM					
E 10:25 AM - 11:40 AM	Intro to Python CSCI-150 Section 8265 Edit ▾ Detail ▾		Intro to Python CSCI-150 Section 8265 Edit ▾ Detail ▾		Intro to Python CSCI-150 Section 8265 Edit ▾ Detail ▾
F 10:25 AM - 11:40 AM					
G 11:50 AM - 01:05 PM					
H 11:50 AM - 01:05 PM					

- If a class time is scheduled in which there exists a violation of a preference or constraint, the cell will be marked in red. Admin has the ability to edit the timing of the course and change the class settings as needed

K 01:15 PM - 02:30 PM		Intro to Python CSCI-150 Section 1022 Edit ▾ Detail ▾		Intro to Python CSCI-150 Section 1022 Edit ▾ Detail ▾	
L 04:30 PM - 05:45 PM	Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾		Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾		Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾
M 04:30 PM - 05:45 PM					
P 07:00 PM - 09:30 PM					

- This section do not follow any preferences.
- the course is not at the specified timeblock

K 01:15 PM - 02:30 PM		Intro to Python CSCI-150 Section 1022 Edit ▾ Detail ▾		Intro to Python CSCI-150 Section 1022 Edit ▾ Detail ▾	
L 04:30 PM - 05:45 PM	Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾		Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾		Intro to OOP CSCI-151 Section 5215 Edit ▾ Detail ▾
M 04:30 PM - 05:45 PM					
P 07:00 PM - 09:30 PM					
Q 07:00 PM - 09:30 PM					
R 07:00 PM - 09:30 PM					
S 07:00 PM - 09:30 PM					

Timeblock

T (MWF) 02:40 - 03:55 ▾

Primary Instructor

Barry Burd, Computer Science ▾

Secondary Instructor / Assisting Faculty

▾

Update

- To save view as CSV, click the button at the bottom of the screen

Student Data Collection

- Admin will be able to gather student data about the courses they are planning on taking for the respective semester

- Refer to this section to collect student data preferences to be considered in schedule creation
- Data will be collected in the database once the students respond to the emailed form
- To create a course set, click [Open Database Interface], hover over [Sets] box, select [courses]. This will allow Admin to aggregate select courses that will be offered for the following semester
 - To add courses to the database, please refer to the documentation for creating a course [here]
- To create a student set, click [Open Database Interface], hover over [Sets] box, select [students]. This will allow Admin to aggregate select students that will be taking classes the following semester
 - To add students to the database, please refer to the documentation for creating a student [here]
- To send out the offered courses to selected students, click [Send Form]. An email with the form will be sent out to the students
- Admin will be able to view response rate of course preferences at the bottom of the field

Student Data Collection

Open

Course set*
 courses

Student set*
 Fall 2021 - Students

Form Name*
 Fall 2021 Course Listing

Send Form

Fall 2021 course listing courses Fall 2021 - Students		0	2	2
<div>Close</div> <div>Stats</div>	Responses 0%	No Response 100%	Total	