

TigerSnatch: User's Guide

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Introduction

TigerSnatch is a service that helps Princeton students with course enrollment through its Subscriptions and Trades features. With Subscriptions, students can subscribe to full sections of a course, and when a new spot is available, TigerSnatch will notify subscribed students via email. Indeed, TigerSnatch Subscriptions eliminate the need to manually and repeatedly check the Course Offerings for available spots. With TigerSnatch Trades, a first-of-its-kind system at Princeton, if students are currently enrolled in a full section (e.g. precept) and wish to enroll into another full section, TigerSnatch will automatically find and facilitate swaps between students who wish to enroll in each other's sections. This way, students no longer have to go through the trouble of searching for someone they know to swap with. Overall, TigerSnatch seeks to alleviate the stress of course enrollment for Princeton students during course selection and add/drop periods.

[†] denotes that either extra steps must be taken, or an assumption has been made, for COS333 grading purposes.

Assumptions

- You are a Princeton student with a valid netID and password.
- You have a Gmail account (either Princeton-provided or personal).
- [†] For Professor Dondero and Sata, we assume that you will be using the netIDs rdondero and satadals, respectively. We also assume that this is your **first time** visiting TigerSnatch (note that we will have deleted any of your existing user profiles before Dean's Date on May 10th).
- [t] For grading purposes, we have manually set the course term to Spring '21 (term code 1214). That is, only courses that are offered in Spring '21 will appear in course search results. This is to ensure that course data do not change during the grading process.

Use Case 1: Accessing and Getting Started with TigerSnatch

Pre-requisites

• N/A (besides the Assumptions above)

- Landing page
- Login and CAS authentication
- Tutorial page for first-time users
- Dashboard page



Steps	Intended Behaviors
Go to https://tigersnatch.herokuapp.com/ .	You should be immediately navigated to the TigerSnatch Landing page which briefly describes TigerSnatch's mission. In the nav bar, you see the About and Tutorial pages and the Login button.
Click the Get started button.	If you are not logged in with CAS, please complete login with CAS. You will then be directed to the Tutorial page.
	If you are already logged in with CAS, you are immediately directed to the Tutorial page. Note that if it is not your first time logging in, you will be directed to the Dashboard page.
	Get started → CAS authentication required
Read through the Tutorial page.	The Tutorial page provides a general overview of the purpose, site layout, and features of TigerSnatch for first-time users. You can access the Tutorial page again if needed via the nav bar.
Click Go to Dashboard at the bottom of the Tutorial page.	This will take you to your personalized Dashboard. As a first-time visitor, you have no subscribed sections displayed, your default email is your Princeton email (netid@princeton.edu), and your Trades Tracker is
Go to Dashboard →	also empty.
[†] Check that your email address as shown in Contact Preferences (lower-left) is correct. If not, change it to an email address that you own by typing a new email address and clicking Change. This mainly applies to users (such as Prof. Dondero) whose Princeton email address is not netid@princeton.edu, but rather netid@cs.princeton.edu.	Contact Preferences sheh@princeton.edu Change



Use Case 2: Subscribe to a full section

Pre-requisites

• You have completed Use Case 1

- Searching for a course
- Typical course page
- Subscription to a course section
- Dashboard page

Steps	Intended Behaviors
Go to your Dashboard (via the nav bar or going to https://tigersnatch.herokuapp.com/dashboard).	On the left side of the Dashboard, you will see a search bar, where you can search for a course.
Hover over the search bar to learn how you can search for a course.	A tooltip should appear that tells you to search for a course by its department, number, or title.
	Search by course department, number, or title! Please enter only alphanumerics, spaces, commas, quotes, ;, ?, % characters.
In the search field, enter COS .	A list of search results should appear below the search bar. You can scroll to see them all. Each result corresponds to a course with the string "cos" in its title or department. The course COS126/EGR126 - Computer Science: An Interdisciplinary Approach should be one of the options.
	COS Note: TigerSnatch subscriptions are separate from Registrar waitlists. COS126/EGR126 Computer Science: An Interdisciplinary Approach
In the search field, enter 126 .	A list of courses with the number "126" in its title or course number should appear. The course COS126/EGR126 - Computer Science: An Interdisciplinary Approach should again be one of the options.
In the search field, enter Interdisciplinary .	A list of courses with the string



"interdisciplinary" in its title should appear. The course COS126/EGR126 - Computer Science: An Interdisciplinary Approach should again be one of the options. Click on the result for COS126/EGR126 The right side of the page should be blurred for Computer Science: An Interdisciplinary at most a few seconds and your mouse should Approach. be disabled from clicking anything on the page, as the site updates the latest course data. After this, the right side is updated with the COS126 course page. At the top, you should see the course title. In the middle, you should see a table with full sections for COS126, along with basic section details (e.g. enrollment, time). The search results and your search query (on the left) should not have changed. Hover over the info icon for the Subscribe A tooltip should appear that tells you to column to learn how to subscribe for a subscribe for a section by toggling its switch on. section. Subscribe 1 # Tigers Subscribe to receive notifications for a section by turning on its switch! Note that only full sections have switches. The switch for B03B is toggled on and colored Then, toggle the **Subscribe** switch on for B03B. green. A green pop-up should appear on the top right corner to confirm that you "Successfully subscribed!". Section Subscribe 1 B03A Successfully subscribed! B03B Hover over the info icon next to # Tigers in A tooltip should appear that tells you the the course table. Look at the numbers purpose of the # Tigers column, which is to under the # Tigers column. show the number of users subscribed to this section. [†] Since there are currently zero users (outside of the TigerSnatch team, Sata, and Prof. Dondero), most entries for # Tigers should be zero.



	# Tigers i Enrollmer This shows the number of Princeton students also subscribed to each section.
Make note of # Tigers for P02A and P04C. Then, toggle the Subscribe switch on for P02A and P04C.	Two more green confirmation pop-ups appear. At this point, three Subscription switches are toggled on. You'll also see that the number of users subscribed to P02A and P04C both increased by one (because you just subscribed!).
Return to Dashboard .	On the Dashboard, your Subscriptions are displayed in a table. You should have three subscriptions: COS126 B03B, P02A, and P04C.

• Feel free to continue subscribing to more sections for various courses. Note that we have limited each user to at most 7 Subscriptions (this number is subject to change in the future).

Use Case 3: Unsubscribe from a full section

Pre-requisites

• You have completed Use Case 2, so you are subscribed to COS126 B03B, P02A, P04C.

Features demonstrated

• Unsubscribing from a course section

Steps	Intende	d Behaviors	3
Go to your Dashboard (via the nav bar or https://tigersnatch.herokuapp.com/dashboard).	On Dashboard, COS listed as a subscribe is toggled on).		
	Course	Section	Subscribe i
	COS126/EGR126	B03B	
	COS126/EGR126	P02A	
Hover over the info icon for the Subscribe column to learn how to unsubscribe from a section.	A tooltip should app unsubscribe from a switch off.		•



	Unsubscribe from a section by 12:3 turning off its 'Subscribe' switch!
Toggle the Subscribe switch off for COS126 P02A.	A pop-up should appear asking you to confirm that you want to unsubscribe from P02A. Confirm Unsubscribe Are you sure you want to unsubscribe yourself from this section? Cancel Confirm
If you are unsure whether you want to unsubscribe from a section, you can click Cancel. Click Cancel to not proceed with unsubscribing.	The switch for COS126 P02A is toggled back on.
Toggle the Subscribe switch off for COS126 P02A again. On the confirmation pop-up, click Confirm to proceed with unsubscribing.	The row for COS126 P02A is removed from the Dashboard, indicating that you are no longer subscribed to the section. A yellow pop-up should appear at the top right to confirm that you "Successfully unsubscribed!".
From the Dashboard, click on a hyperlinked COS126/EGR126 text under the Course column.	This takes you to the COS126 course page.
Course	
COS126/EGR126	
Make sure the switch for P02A is turned off to confirm that you just unsubscribed from it.	Users can either unsubscribe from a full section via their Dashboard or its course page. If you unsubscribe from a section via



the Dashboard, this action is also reflected
on the course page, and vice versa.

• Feel free to continue subscribing and unsubscribing to more sections for various courses. You can watch as the # Tigers value increments (as you subscribe) and decrements (as you unsubscribe).

[†] Use Case 4: Receive notification of an available slot

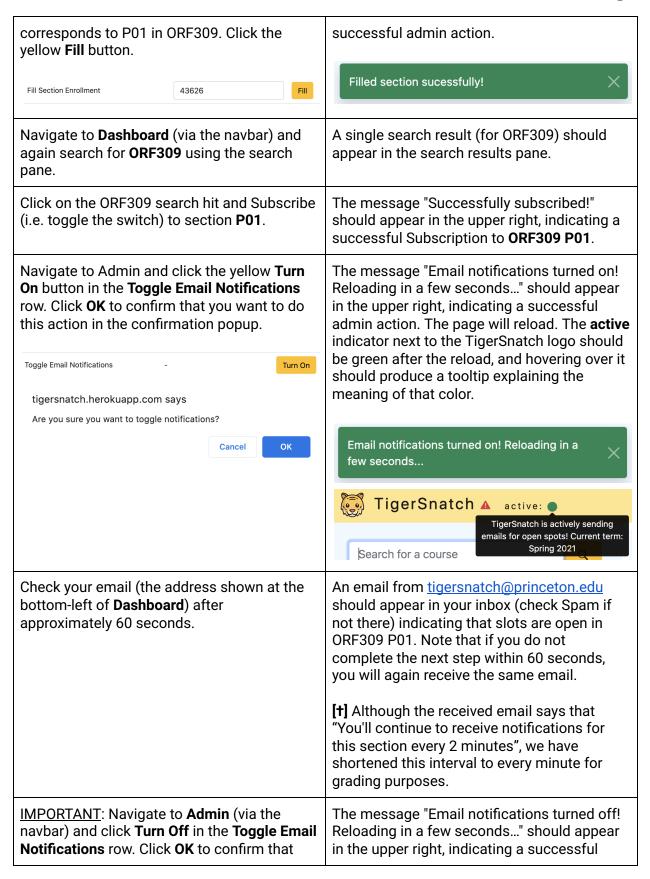
Pre-requisites

- You have completed Use Case 1
- You know how to subscribe to a section. If not, refer to Use Case 2.
- You must have access to the administrator panel to toggle email notifications on and off
 - **[†]** Normally this prerequisite is not required; notifications would always be on during course enrollment and add/drop periods.

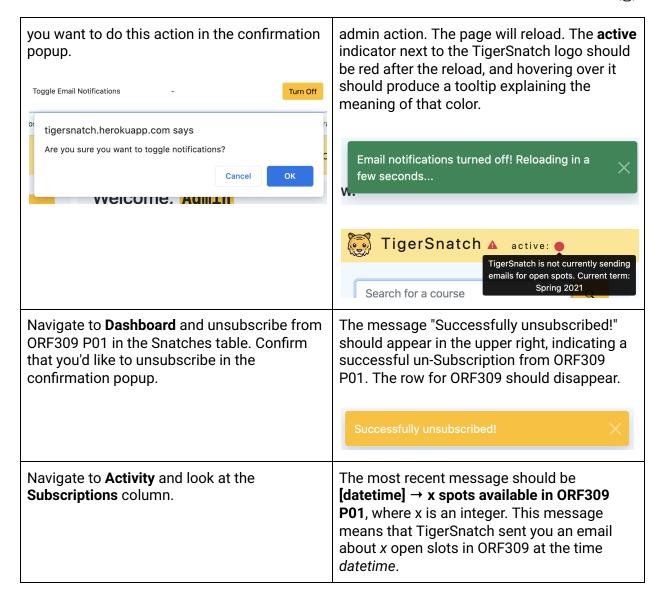
- Active marker
- Email notifications cron job
- Activity page

Steps	Intended Behaviors
Go to https://tigersnatch.herokuapp.com/dashboardc .	You should be directed immediately to Dashboard , provided that you are logged in via CAS.
[t] Search for ORF309 using the search pane. Click on the ORF309 search hit and let the page load completely.	[t] This step is required for grading purposes in order to "reset" the interval on which we pull new data for ORF309 (by default, that interval is every 5 minutes, provided that users are actively viewing ORF309). By resetting this interval, we guarantee that the section-fill action below will not be overwritten by revisiting the ORF309 course page, for the next 5 minutes.
Navigate to Admin (via the navbar).	You should be directed to the admin panel, provided that you are logged in via CAS and are an administrator.
In the admin functions table, enter 43626 in the Fill Section Enrollment row. This classID	The message "Filled section successfully!" should appear in the upper right, indicating a









- For purposes of grading, enrollment in ORF309 P01 must be manually filled (it is in fact not full) to "fool" our notification algorithm into thinking that slots opened up, causing an email to be sent.
- Be sure to check your spam folder in case the TigerSnatch email is flagged as spam.

Use Case 5: Change email for notifications

Pre-requisites

You've completed Use Case 1.

Features demonstrated

• Dashboard preferences pane



• Email address change

Steps	Intended Behaviors
Go to https://tigersnatch.herokuapp.com/dashboard .	You should be directed immediately to the Dashboard, provided that you are logged in via CAS.
In the Contact Preferences pane (lower-left of the Dashboard), look at your current email address, which is the pre-filled form value.	By default, your email in the TigerSnatch system is simply yourNetID@princeton.edu. Note that hovering over the email form field produces a tooltip describing how TigerSnatch uses your email address.
	TigerSnatch will notify you at this email when a slot frees up! It is recommended to use your @princeton.edu address to prevent TigerSnatch emails from being Contact Preferenmarked as spam. Sheh@princeton.edu Change
Enter a new email (an address that you own) and click Change .	The page should reload, and the pre-filled form value in the Contact Preferences pane should reflect the email address you just submitted. Completing Use Case 4 will notify you at this new email address.

Comments

• It is preferred that users set their email to their @princeton.edu address to significantly reduce the chance that TigerSnatch emails are not sent to spam.

Use Case 6: Set your current enrollment, and find & email a Trade

Pre-requisites

• You have completed Use Case 2.

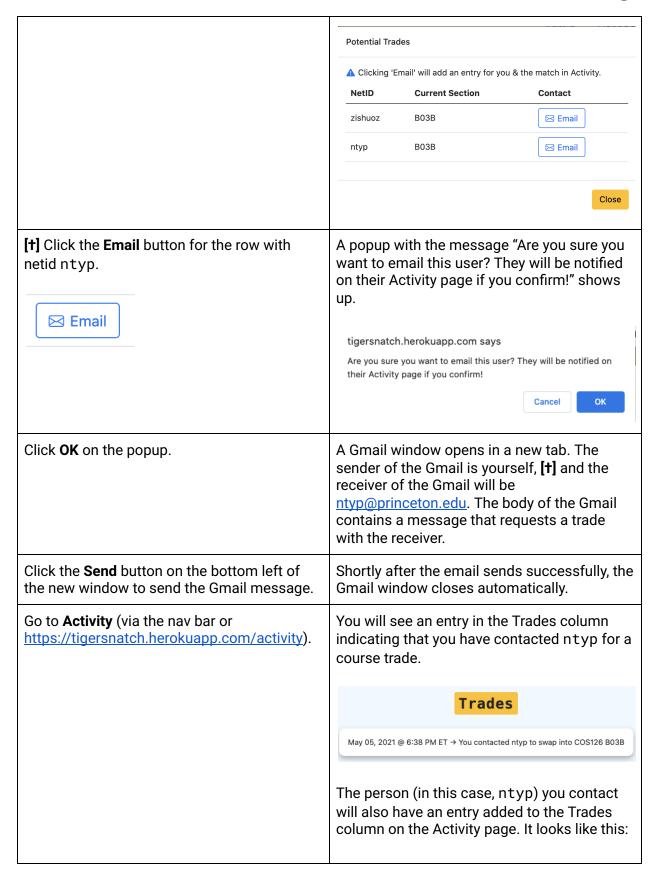
- Trades
- Activity page
- Trades Tracker

Steps	Intended Behaviors
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Go to **Dashboard** (via the nav bar or The Course page for COS126 is shown. https://tigersnatch.herokuapp.com/dashboar d). Search for COS126 on the search bar, and click on the search result for COS126/EGR126. Under the "Trade sections with another A green toast indicating that you have Tiger?" panel, select **B03A** as your current successfully saved your current section enrollment from the dropdown and click the shows up on the top right. gray **Save** button. Successfully saved your current section for Trade sections with another Tiger? 1 this course! Your current enrollment: The yellow **Find Trades** button and the red Find Trades! Remove me from this Trade Remove me from this trade button become enabled. Find Trades! Remove me from this Trade Go to **Dashboard** (via the nav bar or The **Trades Tracker** panel on the bottom right https://tigersnatch.herokuapp.com/dashboar displays the message "You seek to trade out of COS126 B03A". **d**). Trades Tracker 1 → You seek to trade out of **COS126 B03A** Go back to the COS 126 course page by The Course page for COS126 is shown. clicking on the hyperlink to COS126 B03A in the Trades Tracker. COS126 B03A Click the **Find Trades** button. A modal titled **Potential Trades** shows up. The modal contains a table with columns "NetID," "Current Section," and "Contact."







Trades	
May 05, 2021 @ 6:38 PM ET → sheh contacted you about swapping into your section COS126 B03B	

Use Case 7: Clear your current enrollment

Pre-requisites

• You have completed Use Case 6.

Features demonstrated

- Trades
- Trades Tracker

Steps	Intended Behaviors
Go to Dashboard (via the nav bar or https://tigersnatch.herokuapp.com/dashboar <a <b="" another="" click="" href="mailto:d). Search for COS126 on the search bar, and click on the search result for COS126/EGR126.</td><td>The Course page for COS126 is shown.</td></tr><tr><td>Under the " panel,="" red="" sections="" the="" tiger?"="" trade="" with="">Remove me from this trade button.	A yellow toast indicating that you have successfully removed your current Trade shows up on the top right. The yellow Find Trades button and the red Remove me from this trade button is disabled. The Your current enrollment dropdown is emptied.
	Successfully removed your current section for this course!
	Trade sections with another Tiger?
	Your current enrollment:
	Find Trades! Remove me from this Trade
Go to Dashboard (via the nav bar or https://tigersnatch.herokuapp.com/dashboard)	The Trades Tracker panel on the bottom right now displays the message "You've not yet specified any currently-enrolled sections - navigate to a course page and submit your currently enrolled section for that course to look for Trades."

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Trades Tracker You've not yet specified any currently-enrolled sections navigate to a course page and submit your currently enrolled section for that course to look for Trades!

Use Case 8: Blacklist and unblacklist a user (Admin)

[†] As discussed in Professor Dondero's office hours and in TigerSnatch's weekly meeting with Sata, we present screenshots of the blacklisting and unblacklisting process and the result. These features were demonstrated live during the TigerSnatch presentation. Note that attempting to test this feature will not work, because user sheh is an administrator. Thus, we respectfully request that the graders do not attempt to complete this Use Case.

Prerequisites

- You have completed Use Case 1.
- You must have access to the administrator panel.

- Administrator panel
- Blacklisting and unblacklisting specific users

Steps	Intended Behaviors	
Go to https://tigersnatch.herokuapp.com/admin .	You should be directed immediately to the administrator panel, provided that you are logged in via CAS and are an administrator.	
Observe the search panel on the left side of the screen. Search for a user whom you wish to blacklist from TigerSnatch. [†] For grading purposes, we will specifically search for user sheh (one of the developers of TigerSnatch).	The search pane should show one or more netID matches to the search query, in this case: Sheh Q	
Click Blacklist on the specific netID search hit you wish to blacklist. Confirm that you want to blacklist that user by clicking OK .	You are first prompted with the below popul on which you click OK :	



Are you sure you want to blacklist this user? Cancel OK The message "Successfully blacklisted/unblacklisted user! Reloading in a few seconds..." should appear in the upper right, indicating a successful admin action: Successfully blacklisted/unblacklisted user! Reloading in a few seconds... The page will reload. The blacklisted user ([†] in this case, sheh) should no longer appear in the search pane if you were to search for that netID again. Instead, it should appear in the **Blacklist** pane in the lower-left of the administrator panel: Blacklist 1 The blacklisted user ([†] in this case, sheh) The page content looks like this: should now see a "blacklisted" page when attempting to access any CAS-protected You have been blocked from accessing TigerSnatch. page on TigerSnatch. If you believe this is a mistake, please contact the TigerSnatch admins (tigersnatch@princeton.edu). Suppose you wish to unblacklist a user. In the You are first prompted with the below popup, **Blacklist** pane in the lower-left of the on which you click **OK**: administrator panel, locate the netID of the user you wish to remove from the Are you sure you want to unblacklist this user? TigerSnatch blacklist. Click **Unblacklist** on the specific netID entry you wish to unblacklist. Cancel OK Confirm that you want to unblacklist that user by clicking **OK**. The message "Successfully blacklisted/unblacklisted user! Reloading in a few seconds..." should appear in the upper right, indicating a successful admin action:



	Successfully blacklisted/unblacklisted user! Reloading in a few seconds The page will reload. The blacklisted user ([†] in this case, sheh) should no longer appear in the Blacklist pane in the lower-left of the administrator panel.
The blacklisted user ([†] in this case, sheh) should now be able to access any TigerSnatch page available to non-administrator users.	

• Blacklisting users should be a last-resort action for Admins.

Use Case 9: Retrieve user data (Admin)

Prerequisites

- You have completed Use Case 1.
- You must have access to the administrator panel.

Features demonstrated

- Administrator panel
 - o Get Subscribed Sections
 - o Get Trade Sections

Steps	Intended Behaviors
[t] Complete Use Case 2. For the purposes of grading, let NETID be the netID of the grader (likely either rdondero or satadals) for the remainder of steps in this Use Case.	[t] NETID should be subscribed to COS126 B03B, P02A, and P04C. Confirm this by visiting Dashboard and looking at your Snatches table.
[†] Complete the first two steps of Use Case 6.	[†] NETID should have a current enrollment set to COS126 B03A. Confirm this by visiting Dashboard and looking at your Trades Tracker panel in the lower right.
Go to https://tigersnatch.herokuapp.com/admin .	You should be directed immediately to the administrator panel, provided that you are logged in via CAS and are an administrator.

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Scroll down on the table with columns "Descriptions," "Inputs," "Action" and locate the row with description Get Subscribed Sections .	This is what the table will look like: Clear Course Subscriptions G-digit courseid (e.g. 021580) Clear		
	Get Subscribed Sections		
	Fill Section Enrollment 5-digit classid (e.g. 24890)		
On the Get Subscribed Sections row, enter NETID in the input column, and click the yellow Get button on the Action column.	A modal containing subscribed sections for NETID will show up, containing (at least) these three entries: Subscribed Sections for ntyp → Computer Science: An Interdisciplinary Approach (COS126): B03B → Computer Science: An Interdisciplinary Approach (COS126): P02A → Computer Science: An Interdisciplinary Approach (COS126): P04C		
Click Close on the modal.	The modal closes.		
In the table, locate the row with the description Get Trade Sections .			
On the Get Trade Sections row, enter NETID in the input column, and click the yellow Get button on the Action column.	A modal containing Trade sections (i.e. currently enrolled sections) for NETID will show up, containing (at least) the following entry: Trade Sections for ntyp → Computer Science: An Interdisciplinary Approach (COS126): B03A		
Click Close on the modal.	The modal closes.		

 Normally, this Use Case would be performed on a user other than yourself. The first two steps of this Use Case are for the purposes of grading, so the graders can get reproducible results and see content in the generated modals.

Use Case 10: Clear subscriptions (Admin)

Prerequisites



- You have completed Use Case 1.
- You must have access to the administrator panel.

- Administrator panel
 - Clear Section Subscriptions
 - Clear Course Subscriptions*
 - Clear All Subscriptions*
- * The TigerSnatch team respectfully requests that the grader does NOT interact with the Clear All Subscriptions and Clear Course Subscriptions features. For Clear Section Subscriptions, please do not deviate from our directions. These features are present mainly if the database becomes severely corrupted, which is an unlikely event. Additionally, interacting with the Clear All Subscriptions and Clear Course Subscriptions will cause Use Case 6 to produce wrong results for the next grader. If a grader would like to see the features in action, please wait until all graders have finished testing the other Use Cases, or arrange a time with the TigerSnatch team (sheh@princeton.edu).

Steps	Intended Behaviors
[†] Complete Use Case 2. For the purposes of grading, let NETID be the netID of the grader (likely either rdondero or satadals) for the remainder of steps in this Use Case.	[†] NETID should be subscribed to COS126 B03B, P02A, and P04C. Confirm this by performing Use Case 9 (specifically the result of the Get Subscribed Sections functionality): Subscribed Sections for ntyp → Computer Science: An Interdisciplinary Approach (COS126): B03B → Computer Science: An Interdisciplinary Approach (COS126): P02A → Computer Science: An Interdisciplinary Approach (COS126): P04C
Go to https://tigersnatch.herokuapp.com/admin .	You should be directed immediately to the administrator panel, provided that you are logged in via CAS and are an administrator.



Scroll down on the table with columns "Descriptions," "Inputs," "Action" and locate the row with description Clear Section Subscriptions.	This is what the table will look like: Clear All Trades - Clear Clear All Subscriptions - Clear Clear Subscriptions 5-digit classid (e.g. 24890) Clear Clear Curse Subscriptions 6-digit courseld (e.g. 021880) Clear Clear Subscribed Sections netID (e.g. sheh) Get	
[†] On the Clear Section Subscriptions row, enter 43383 (classID for COS126 P02A, obtainable from the course registrar webpage) in the input column, and click the yellow Clear button on the Action column.	[†] A popup with text "Are you sure you want to clear subscriptions for class 43383? This action is irreversible." shows up. tigersnatch.herokuapp.com says Are you sure you want to clear subscriptions for class 43383? This action is irreversible.	
Click OK on the popup.	A green toast with text "Cleared successfully" shows up on the upper right. Cleared successfully!	
[†] NETID should no longer be subscribed to COS126 P02A. Confirm this by performing Use Case 9 (specifically the result of the Get Subscribed Sections functionality for user NETID).	[+] This step confirms that the previous Clear Section Subscriptions action worked for COS126 P02A (COS126 P02A is no longer in the modal generated by Use Case 9): Subscribed Sections for ntyp → Computer Science: An Interdisciplinary Approach (COS126): B03B → Computer Science: An Interdisciplinary Approach (COS126): P04C	
[†] DO NOT PERFORM ANY OF THE BELOW STEPS. SEE THE * WARNING ABOVE THIS TABLE.		
In the table, locate the row with the description Clear Course Subscriptions.*		
[†] On the Clear Course Subscriptions row, enter 002051 (courseID for COS126, obtainable from the course registrar webpage) in the input column, and click the yellow Clear	[t] A popup with text "Are you sure you want to clear subscriptions for course 002051? This action is irreversible." shows up.	



button on the Action column.	tigersnatch.herokuapp.com says Are you sure you want to clear subscriptions for course 002051? This action is irreversible. Cancel OK
Click "OK" on the popup.	A green toast with text "cleared successfully" shows up on the right. Cleared successfully!
[†] NETID should no longer be subscribed to COS126 B03B and P04C. Confirm this by performing Use Case 9 (specifically the result of the Get Subscribed Sections functionality) for user NETID.	[†] This step confirms that the previous Clear Course Subscriptions action worked for COS126 (no COS126 Subscriptions are in the modal generated by Use Case 9): Subscribed Sections for ntyp → No data Close
[†] Complete Use Case 2, again.	[t] NETID should be subscribed to COS126 B03B, P02A, and P04C. Confirm this by performing Use Case 9 (specifically the result of the Get Subscribed Sections functionality) for user NETID: Subscribed Sections for ntyp → Computer Science: An Interdisciplinary Approach (COS126): B03B → Computer Science: An Interdisciplinary Approach (COS126): P02A → Computer Science: An Interdisciplinary Approach (COS126): P04C
In the table, locate the row with the description Clear All Subscriptions.* Click the Clear	A popup with text "Are you sure you want to clear all subscriptions? This action is irreversible." shows up.



button.	tigersnatch.herokuapp.com says Are you sure you want to clear all subscriptions? This action is irreversible. Cancel OK
Click OK on the popup.	A green toast with text "cleared successfully" shows up on the right. Cleared successfully!
[†] NETID should no longer be subscribed to COS126 B03B, P02A, and P04C. Confirm this by performing Use Case 9 (specifically the result of the Get Subscribed Sections functionality) for user NETID.	[†] This step confirms that the previous Clear All Subscriptions action worked (zero Subscriptions are in the modal generated by Use Case 9 for user NETID): Subscribed Sections for ntyp → No data Close

• It is very rare that Subscriptions need to be manually cleared. Do not perform Use Case 10 unless there is a major database corruption, as it affects Subscriptions, perhaps the primary core feature of TigerSnatch.

Use Case 11: Use TigerSnatch from a mobile device

Pre-requisites

- You have completed Use Case 1.
- You are either using a mobile device (e.g. an iPhone) or a very narrow (< 992px) desktop browser window.

Features demonstrated

• Special mobile functionality, UI, and convenience features

Steps	Intended Behaviors
Go to https://tigersnatch.herokuapp.com/dashboard	You should be directed immediately to Dashboard , provided that you are logged in



	via CAS.	
Click/tap the hamburger button in the upper right.	A dropdown navigation bar menu should appear listing all of the available pages you can go to, such as Dashboard or Activity .	
	TigerSnatch ▲ active: ● Admin Dashboard Activity About Tutorial Logout	
Click/tap anywhere outside of the dropdown navigation bar menu.	The navigation bar menu should collapse.	
Click/tap Skip to Dashboard/Course . Search for courses above! Skip to Dashboard/Course ↓	The page should automatically scroll down to the main dashboard pane (your netID should be shown).	
Click/tap search , the text to the right of your netID. Welcome, sheh talent search	The page should automatically scroll up to the search panel.	
In the search bar, enter COS126 . Tap/click on the shown search hit.	The page should automatically scroll down to the tapped course page (the course title should be shown).	
Click/tap search again , the text to the right of the course code.	The page should automatically scroll up to the search panel.	

• Similar mobile responsiveness is implemented on the **Admin**, **Activity**, **About**, **Tutorial**, and **Landing** pages.



 If you are Subscribed to one or more sections (this can be achieved by completing Use Case 2), and if your mobile device/browser window is narrow enough, the sections table on the **Dashboard** and on any course page becomes both horizontally and vertically scrollable. Further, clicking on a direct course link from the Dashboard table or the Trades Tracker will automatically scroll down once the course page loads.

Use Case 12: Additional user features

Pre-requisites

• You have completed Use Case 1.

- Show All Sections checkbox on Course Page
- Quick Links on Course Page
- Disclaimer tooltip
- About page
- Logout button

Steps	Intended Behaviors
Go to Dashboard (via the nav bar or https://tigersnatch.herokuapp.com/dashboard). Search for COS126 on the search bar, and click on the search result for COS126/EGR126 .	The Course page for COS126 is shown.
In the bottom left, click on the three links under Quick Links for COS126/EGR126.	Three new tabs should open: 1. the Registrar's Course Offerings page for COS126 (for official course details) 2. the Princeton Courses page for COS126 (for course evaluations & ratings) 3. your TigerHub portal (for enrolling in courses) These are three pages that Princeton students frequently visit during the course enrollment period, so we have provided them under Quick Links for your convenience. Quick Links for COS126/EGR126 Official Course Offerings Princeton Courses TigerHub Portal
On top of the course table, check Show All Sections .	The table displays all sections, full or non-full, in COS126. Non-full sections do not



	have a switch u	nder the Subsci	ribe column.
	Show all section	18	
	Section	Subscribe i	# Tigers 🚺
	L01		0
	L02		0
Return to Dashboard . Hover over the info icon next to "Check out your Snatches below".	courses shown Check if spots free Course Offering	ers to check Co an enroll in their at be able to enroll in a on TigerSnatch even a up. Always check gs for course-specific allment info.	urse Offerings Subscribed
Go to About (via the nav bar or https://tigersnatch.herokuapp.com/about).	Read the About mission and me		~
Click on the Logout button on the top right.	You are taken be the nav bar, you Tutorial pages a longer see any p data.	see the genera and the Login b	l About and utton. You no

Use Case 13: Additional administrator features

This Use Case exists solely to demonstrate the "Clear All User Logs" and "Clear All Trades" functionalities on the admin panel.

Pre-requisites

- You have completed Use Case 1.
- [t] You have completed Use Case 4 and Use Case 6.
 - As a result of completing these Use Cases, you will have specified COS126 B03A
 as your current enrollment in COS126. You will also have an entry in the
 Subscriptions column on the Activity page, as well as an entry in the Trades
 column on the Activity page.
 - These use cases normally need not be completed, but for grading purposes, we want to demonstrate that the TigerSnatch admin panel is able to clear all user logs and all Trades.



• You must have access to the administrator panel.

- Administrator panel
 - Clear All User Logs
 - Clear All Trades*
- * The TigerSnatch team respectfully requests that the grader does NOT interact with the Clear All Trades feature. This feature is present mainly if the database becomes severely corrupted, which is an unlikely event. Additionally, interacting with the Clear All Trades will cause Use Case 6 to produce wrong results for the next grader. If a grader would like to see the feature in action, please wait until all graders have finished testing the other Use Cases, or arrange a time with the TigerSnatch team (sheh@princeton.edu).

Steps	Intended Behaviors	
Go to https://tigersnatch.herokuapp.com/admin.	You should be directed immediately to the administrator panel, provided that you are logged in via CAS and are an administrator.	
Scroll down on the table with columns "Descriptions," "Inputs," "Action" and locate the row with description Clear All User Logs.	This is what the table will look like: Clear All Trades Clear All Subscriptions Clear Section Subscriptions Clear Section Subscriptions Get Subscriptions Get Subscribed Sections Clear Get Subscribed Sections	
On the Clear All User Logs row, click Clear .	A popup with text "Are you sure you want to clear all user logs? This action is irreversible." shows up. tigersnatch.herokuapp.com says Are you sure you want to clear all user logs? This action is irreversible.	
Click OK on the popup.	A green toast with text "cleared successfully"	



	shows up on the right.
	Cleared sucessfully!
[†] DO NOT PERFORM ANY OF THE BELOW STEPS. SEE THE * WARNING ABOVE THIS TABLE.	
On the Clear All Trades row, click Clear.*	A popup with text "Are you sure you want to clear all Trades? This action is irreversible." shows up.
	tigersnatch.herokuapp.com says Are you sure you want to clear all Trades? This action is irreversible.
	Cancel
Click OK on the popup.	A green toast with text "cleared successfully" shows up on the right.
	Cleared sucessfully!
[†] Go to Activity .	[†] Both the Subscriptions and Trades columns on Activity should now be empty, instead showing placeholder messages (which do not have timestamps).
	Subscriptions Trades Once a spot is available in your subscribed sections, a message will appear here! Once you've contacted a Tiger to trade sections, a message will appear here!
[†] Go to Dashboard .	[†] The "Trades Tracker" panel on the bottom right displays the message "You've not yet specified any currently-enrolled sections - navigate to a course page and submit your currently enrolled section for that course to look for Trades."
	Trades Tracker You've not yet specified any currently-enrolled sections - navigate to a course page and submit your currently enrolled section for that course to look for Trades!



• These two administrator features should be used only in the event of a major database corruption, since they impact all users.

Use Case 14: Update course term (Admin)

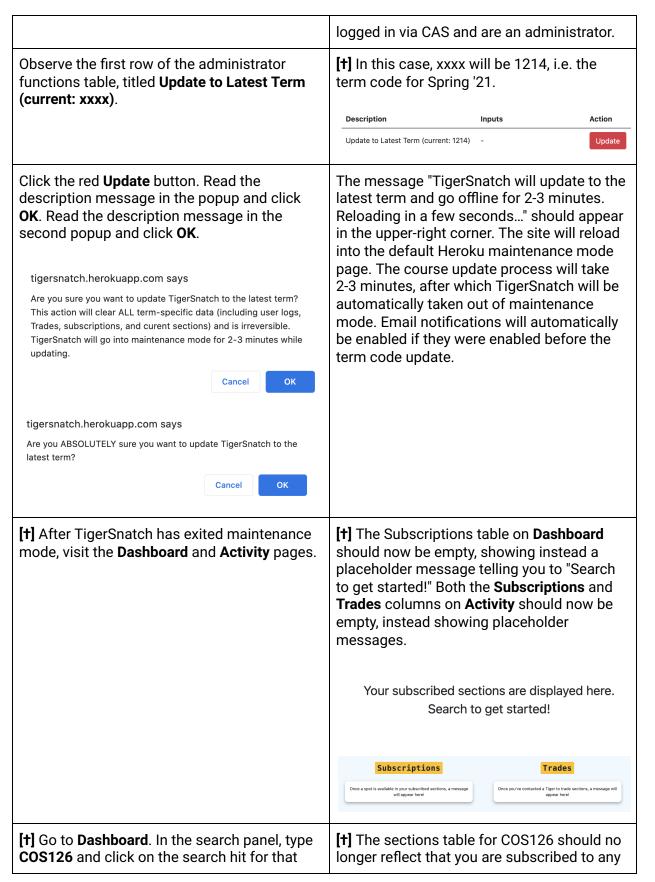
Pre-requisites

- You have completed Use Case 1.
- [†] You have completed Use Case 2, Use Case 4, and Use Case 6
 - As a result of completing these Use Cases, you will be subscribed to COS126 B03B and have an entry for that section on **Dashboard**. You will have specified COS126 B03A as your current enrollment in COS126. You will also have an entry in the **Subscriptions** column on the **Activity** page, as well as an entry in the **Trades** column on the **Activity** page.
 - These use cases normally need not be completed, but for grading purposes, we want to demonstrate that TigerSnatch has executed a full reset of non user-profile (e.g. email address, netID) data.
- You must have access to the administrator panel.

- Administrator panel
- Updating TigerSnatch to the latest course term*
- * The TigerSnatch team respectfully requests that the grader does NOT interact with the Update to Latest Term feature due to the fact that it performs a reset of all non-user data. Doing so will cause nearly all use cases to produce wrong results for the next grader. If a grader would like to see the feature in action, please wait until all graders have finished testing the other Use Cases, or arrange a time with the TigerSnatch team (sheh@princeton.edu).

Steps	Intended Behaviors
[†] DO NOT PERFORM ANY OF THE BELOW STEPS. SEE THE * WARNING ABOVE THIS TABLE.	
Go to https://tigersnatch.herokuapp.com/admin .	You should be directed immediately to the administrator panel, provided that you are







course.	section in COS126 (i.e. all Subscribe switches should be in the off position).
[†] Return to Dashboard .	[†] The "Trades Tracker" panel on the bottom right displays the message "You've not yet specified any currently-enrolled sections - navigate to a course page and submit your currently enrolled section for that course to look for Trades."
	Trades Tracker You've not yet specified any currently-enrolled sections - navigate to a course page and submit your currently enrolled section for that course to look for Trades!