System Test Plan

Team: Tech Support

David Febles - Project Manager
Ayush Shukla - Quality Assurance Lead
Subhash Ramesh - Software Architect
Sabeel Mansuri - User Interface Specialist (I)
Shuusei "Shu" Yoshida - User Interface Specialist (II)
Raghavan Kope - Database Specialist
Somsubhro "Som" Dhar - Business Analyst
Pranav Narasimmaraj - Algorithm Specialist
Kelvin Chan - Senior System Analyst
Amithab Arumugam - Software Development Lead (I)
Nikhil Pathak - Software Development Lead (II)

Test Cases

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Priority

High: ***Vital*** **- Features that are absolutely essential.**
Medium: ***Desired*** **- Features that are highly wanted but not required.**
Low: ***Optional*** **- Features that are nonessential add-ons.**

Status

Cancelled
Not Started
In Progress
Complete

Glossary

Term	Definition
Account	Email and Password pair used to identify an account
Podcast	A video and audio recording of a specific course lecture
Favorite	A **podcast** that is specially marked as “Favorite” for easier access later
Transcript	A **podcast** transcribed to text
Query	A specific key term or phrase that is being searched by the user
Query history	Searches performed in the past tied to an **account**
Results	List of podcasts that contain the user **query** with noted timestamps and other relevant podcast information
Podcast Page	Represents the full view page of a single podcast if the user selects a result
Filters	Narrow search by podcast quarter, professor, department, and/or course number
Text-Blurb	Surrounding words spoken in a podcast around the given **query**

Preloaded Data

Gmail Account Credentials:

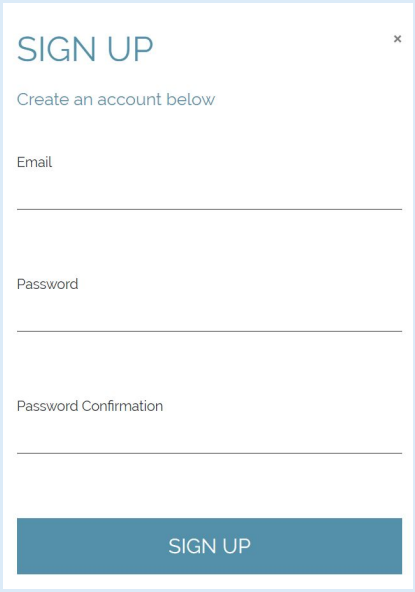
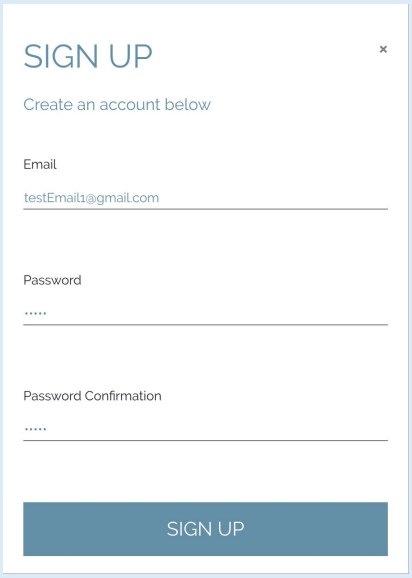
scriptorTestCase@gmail.com with password: cse110TS

Scriptor Account Credentials:

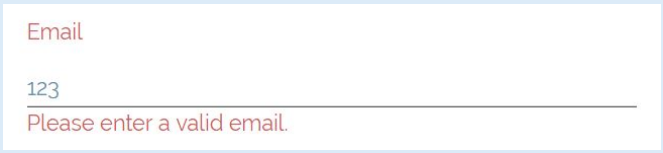
scriptorTestCase@gmail.com with password: 1234 for data-filled account
testEmail@gmail.com with password: testEmail for clean-slate account

TC-AD #1 Account Creation

Priority	**Low**
Status	**Complete**
Description	**The user creates a new account with an email & password**
User Goal	**The user wishes to make an account to store and secure personal information**
Desired Outcome	**The user has successfully created a secure, personal account**
Actor	**User of the application**
Dependent Test Cases	**N/A**
Requirements	**SR #1**
Pre-conditions	**The user is not logged in and an account with the same email doesn't exist**
Post-conditions	**A user account with the respective email & password is stored in the database.**
Trigger	**The user wishes to create an account so that they can securely save query history and favorite podcasts to their individual account**
Workflow	**1) The user shall click the "SIGN UP" button**  **2) The system shall display a sign-up popup**

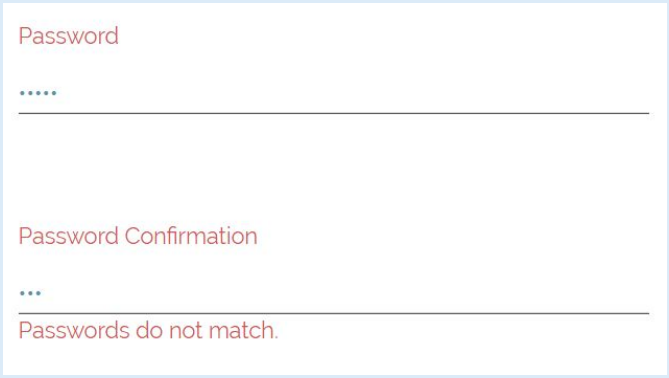
	 **3) The user shall fill in the account information in the SIGN UP popup with Email: "testEmail1@gmail.com", Password: "12345", Password Confirmation: "12345"**  **4) The user shall click the "SIGN UP" button**  **5) The system shall log the user in**
Alternate Workflow	**Invalid Email** **3) The user shall fill in the account information in the SIGN UP pop with an invalid email such as "123" and press <ENTER>**

4) **The system shall display an error message "Please enter a valid email"**



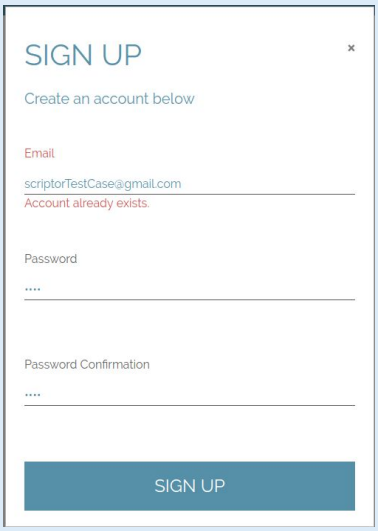
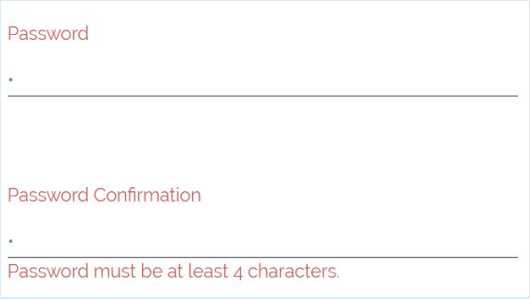
Password Mismatch

3) **The user shall enter "test@gmail.com" as the email, "12345" as the first password, and "123" as the confirmation password and press <ENTER>**
4) **The system shall display an error message "Passwords do not match.**



Account Already Exists

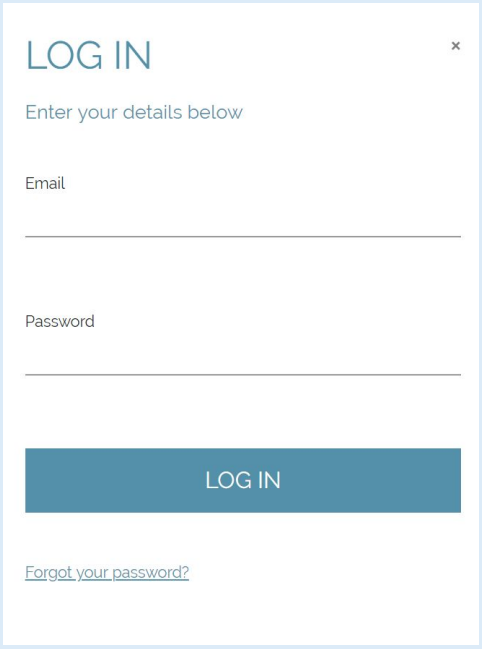
3) **The user shall enter "scriptorTestCase@gmail.com" as the email, "1234" as the first and confirmation password**
4) **The system shall display an error message "Account already exists."**

	 **Password is Too Short** **5) The user shall enter "123@gmail.com" as the email, "1" as the first password, and "1" as the confirmation password and press <ENTER>** **6) The system shall display an error message "Password must be at least 4 characters."** 
Expected Results	**The test passes when the user has logged in and can access their account details** **The first alternate test passes when the system displays the login form with "Invalid email" under the "Email" text box** **The second alternate test passes when the system displays the login form with "Passwords do not match." under the "Password" text box** **The third alternate test passes when the system displays the login form with "Account already exists under the "Email" text box**

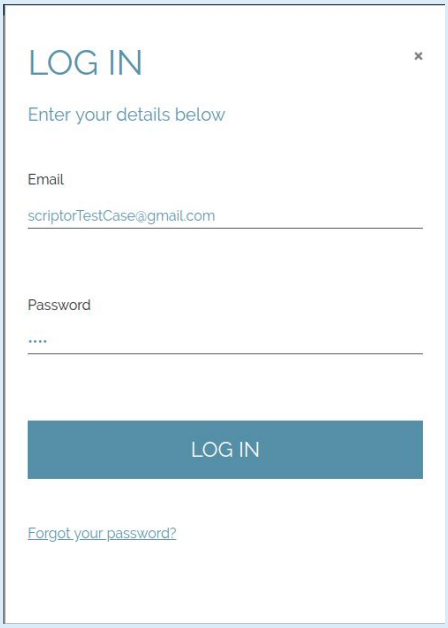
	The fourth alternate test passes when the system displays the login form with “Password must be at least 4 characters.”

TC-AD #2 User Log In

Priority	**Low**
Status	**Complete**
Description	**The user logs into their previously created account to view previous queries and favorite podcasts**
User Goal	**The user wishes to see information specific to their account stored from previous sessions on the app**
Desired Outcome	**The user successfully logs into their account and now can access their account history and favorite podcasts**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1**
Requirements	**SR #2**
Pre-conditions	**The user has already made an account and is not logged in**
Post-conditions	**The user has access to account history and favorites**
Trigger	**The user wishes to login in order to view their account history and favorite podcasts**
Workflow	**1) The user shall click the "LOG IN" button (must be logged out)**  **2) The system shall display the login form**

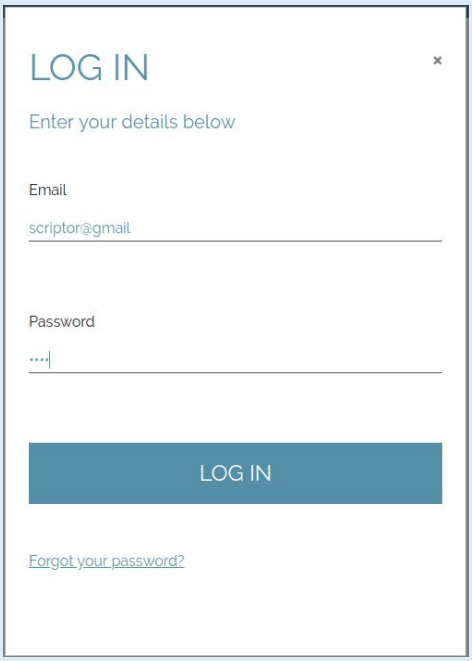
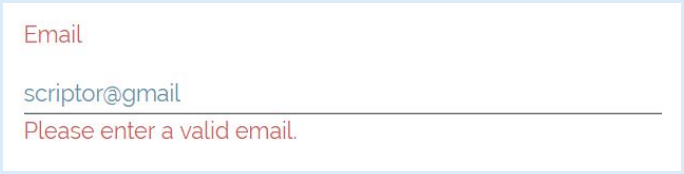


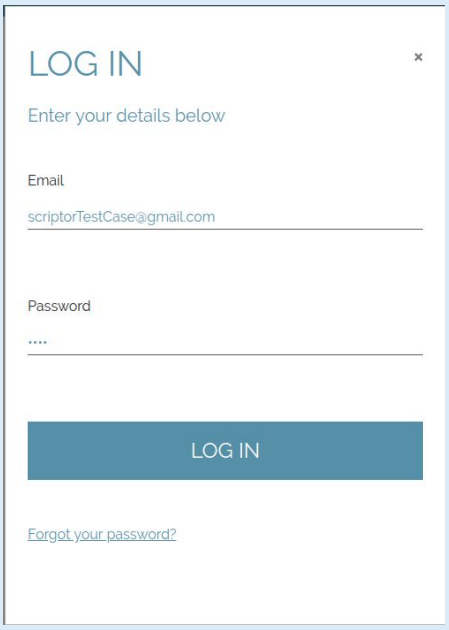
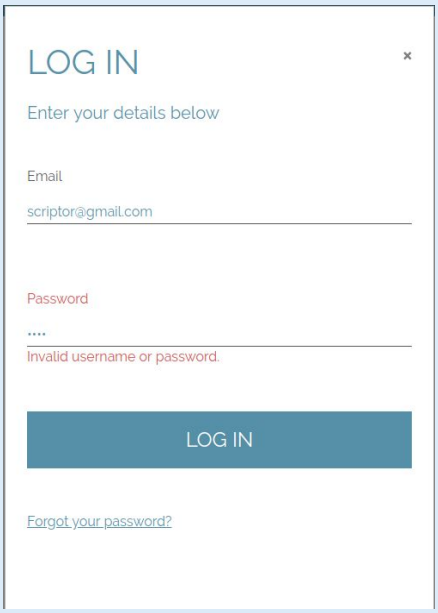
3) **The user shall input the email "scriptorTestCase@gmail.com" in the "Email" text box and input the password "1234" in the "Password" text box**



4) **The user shall click the "Login" button on the popup**

5) **The system shall log the user into their account**

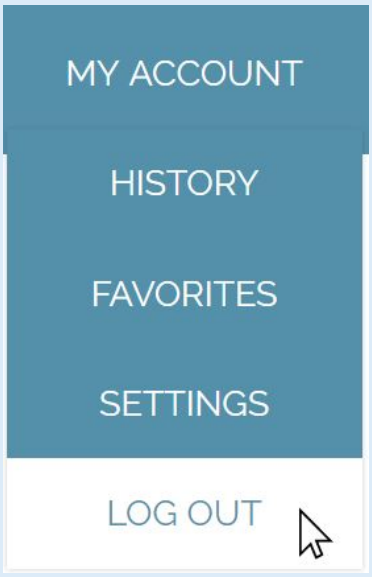
Alternate Workflow	**Invalid Email** **3) The user shall input an invalid email "scriptor@gmail" into the "Email" text box and "1234" into the "Password" text box**  **4) The user shall click the "Login" button**  **5) The system shall inform the user that they have entered an invalid email format**  **Incorrect Password** **3) The user shall input a valid email "scriptorTestCase@gmail.com" into the Email text box and password "test" that does not correspond with the email address into the password text box**

	 **4) The user shall click the "Login" button**  **5) The system shall inform the user that the email or password is incorrect** 
Expected Results	**The test passes when the user has logged in and can access their account details** **The first alternate test passes when the system displays the**

	login form with “Invalid email” under the “Email” text box **The second alternate test passes when the system displays the login form with “Incorrect password” under the “Password” text box**

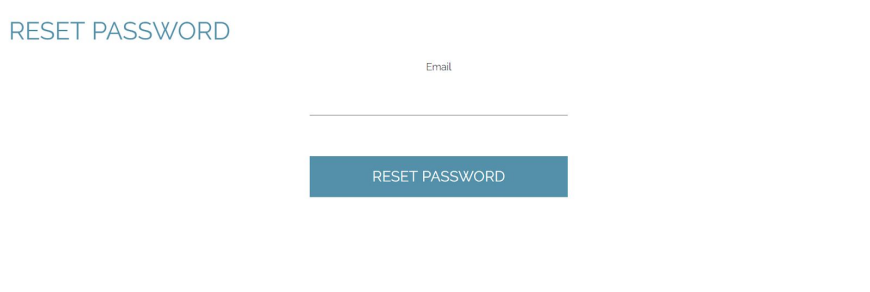
TC-AD #3 User Log Out

Priority	**Low**
Status	**Complete**
Description	**The user logs out of their account**
User Goal	**The user wishes to remove their access to account-specific information and thereby protect their account information**
Desired Outcome	**The user successfully logs out**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2**
Requirements	**SR #3**
Pre-conditions	**The user has an account and is logged in**
Post-conditions	**The user does not have access to account history and favorites**
Trigger	**The user wishes to protect their privacy by removing access to the account**
Workflow	**1) The user shall hover over "MY ACCOUNT" on the top navigation bar**  **2) The system shall display a drop down menu with buttons for "HISTORY", "FAVORITES", "SETTINGS", and "LOG OUT"** **3) The user shall press the "LOG OUT" button**

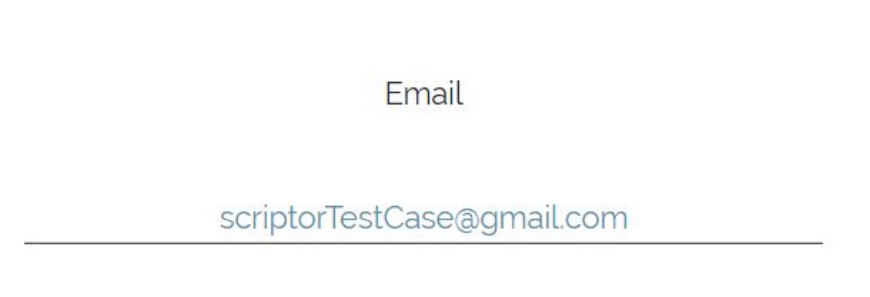
	 4) **The system shall log the user out** 5) **The system shall display the same page the user was on prior to logging out with a new navigation bar that has a "LOG IN" and "SIGN UP" button** 
Alternate Workflow	**N/A**
Expected Results	**The test passes when the user can no longer access account-related pages and has been returned to their initial page with a new navigation bar**

TC-AD #4 Forgot Password

Priority	**Low**
Status	**Complete**
Description	**The user creates a new password to replace the old account password while still maintaining the account history**
User Goal	**The user wishes to change their account password without needing to remember their previous one**
Desired Outcome	**The user successfully has a new password for their account**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1**
Requirements	**SR #4**
Pre-conditions	**The user has already created an account and is logged out**
Post-conditions	**The system updates the database to reflect the new password for their account**
Trigger	**The user wishes to change their password for any reason including increased security or forgotten password**
Workflow	**1) The user shall click on the "LOG IN" button**  **2) The user shall click on the "Forgot your password?" button**  **3) The system shall ask for user account email**

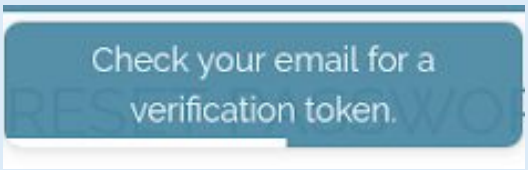


4) **The user shall enter email "scriptorTestCase@gmail.com"**

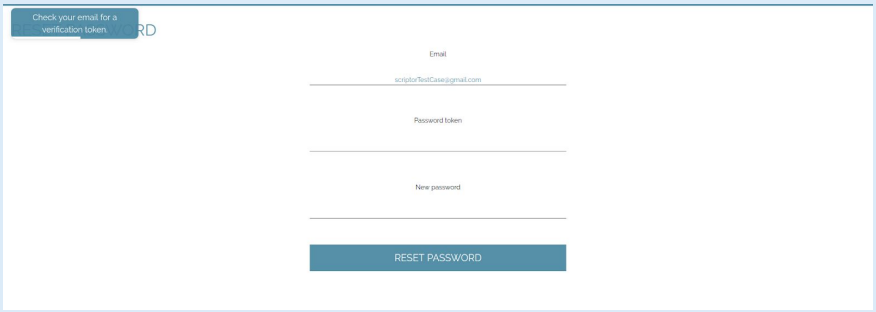


5) **The user shall click the "RESET PASSWORD" button**

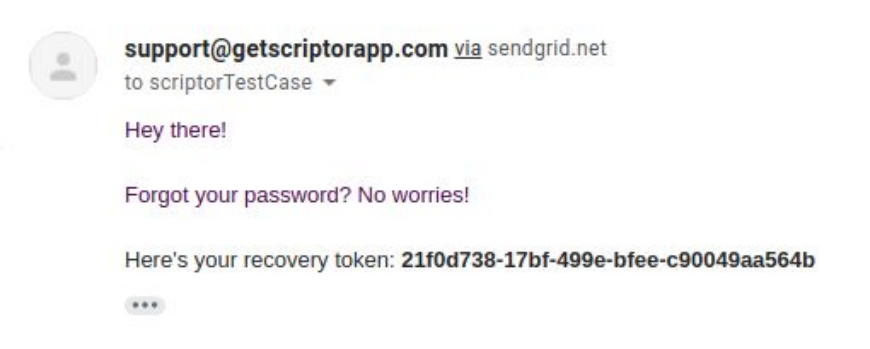
6) **The system shall display a pop-up indicating a verification email was sent**



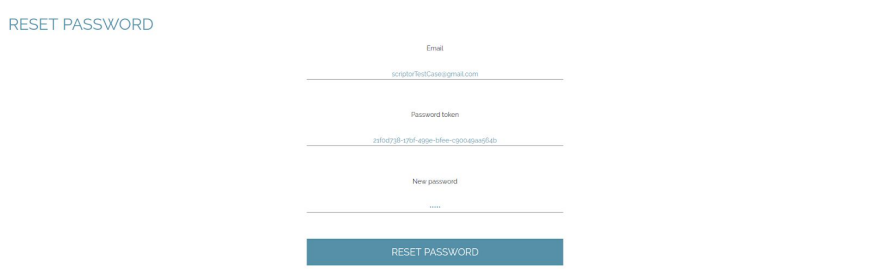
7) **The system shall send a message to the account's email**
8) **The system shall display two new text fields "Password token" and "New password"**



9) **The user shall open the email with a password token**

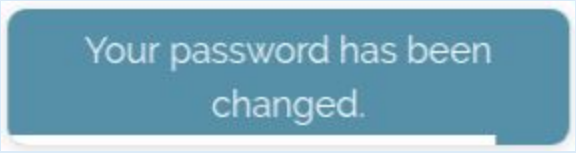


10) **The user shall copy the password token into the "Password token" input box in the Scriptor application**
11) **The user shall enter "12345" as the "New password"**



12) **The user shall press the "RESET PASSWORD" button**

13) **The system shall display a popup indicating "Your password has been changed."**

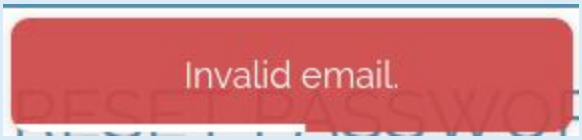


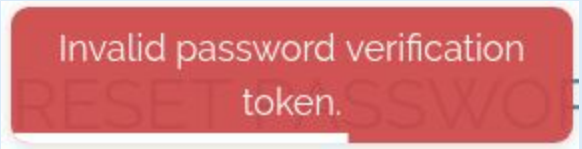
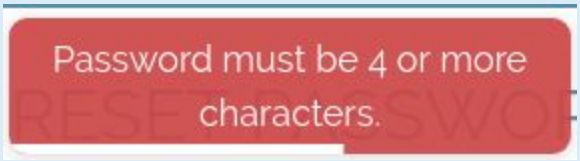
Alternate Workflow

Invalid email/Not registered

4) **The user shall enter an invalid or unregistered account email "scriptorTestCase@gmail"**
5) **The user shall press the "RESET PASSWORD" button**

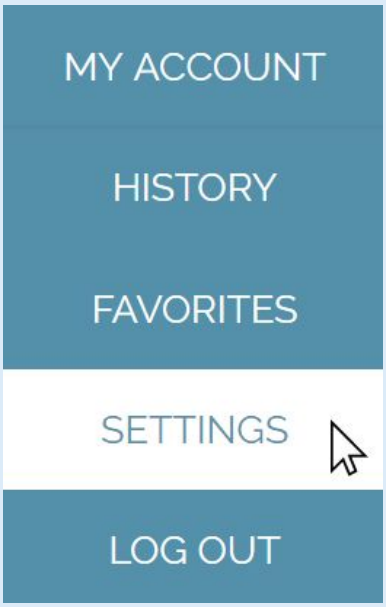
6) **The system shall display a pop-up indicating "Invalid Email."**



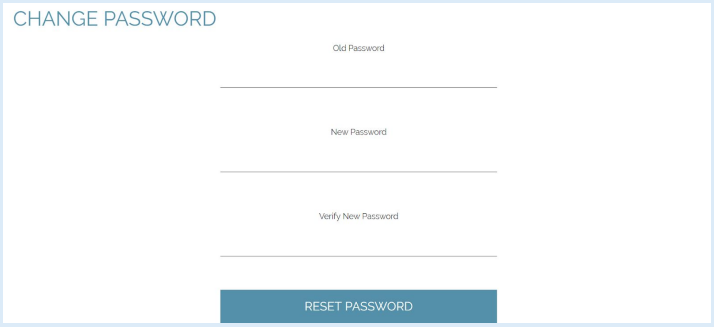
	7) The system shall clear the "Email" input field **Invalid Password Token** **10) The user shall enter a password token that does not match the token sent to the email** **11) The user shall enter a password "1234"** **12) The user shall press the "RESET PASSWORD" button** **13) The system shall display a pop-up indicating "Invalid password verification token."**  **Invalid Password** **11) The user shall enter a password "123"** **12) The user shall press the "RESET PASSWORD" button** **13) The system shall display a pop-up indicating "Password must be 4 or more characters."** 
Expected Results	**The test passes when the user can login with the email "scriptorTestCases@gmail.com" and password "1234"** **The first alternate test passes when the "Change Password" form is displayed with "Invalid email." notification and the "Email" field cleared.** **The second alternate test passes when the "Change Password" form is displayed with "Invalid password verification token." notification.** **The third alternate test passes when the "Change Password" form is displayed with "Password must be 4 or more characters." notification.**

TC-AD #5 Change Password

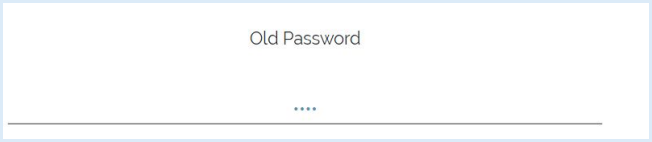
Priority	**Low**
Status	**Complete**
Description	**The user creates a new password to replace the old account password while still maintaining the account history**
User Goal	**The user wishes to change their account password while remembering their previous one**
Desired Outcome	**The user successfully has a new password for their account**
Actor	**User of the application**
Dependent Test Cases	**AD #1, AD #2**
Requirements	**SR #5**
Pre-conditions	**The user has already created an account and is logged in**
Post-conditions	**The system updates the database to reflect the new password for their account**
Trigger	**The user wishes to change their password for any reason including increased security**
Workflow	**1) The user shall hover over "MY ACCOUNT" on the top navigation bar**  **2) The system shall display a drop down menu with buttons for "HISTORY", "FAVORITES", "SETTINGS", and "LOG OUT"** **3) The user shall click on the "SETTINGS" button**



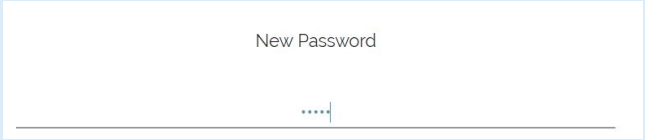
4) **The system shall prompt for previous password, new password, and confirmation of new password**



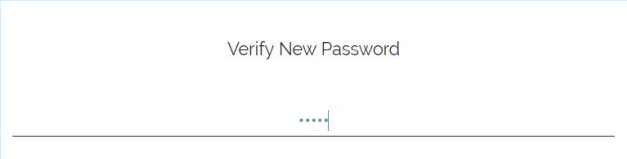
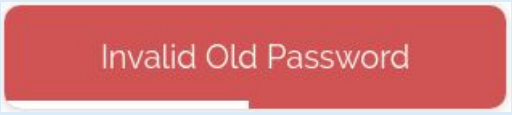
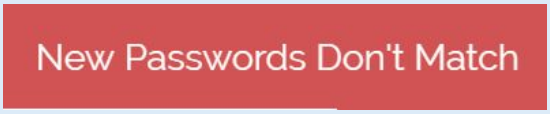
5) **The user shall enter the old password, which is "1234" without quotations**

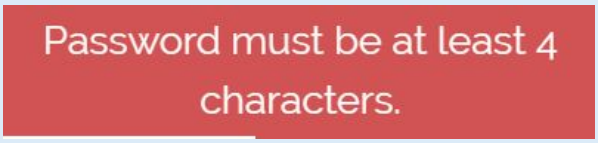


6) **The user shall enter a new password in the new password field, which is "12345"**



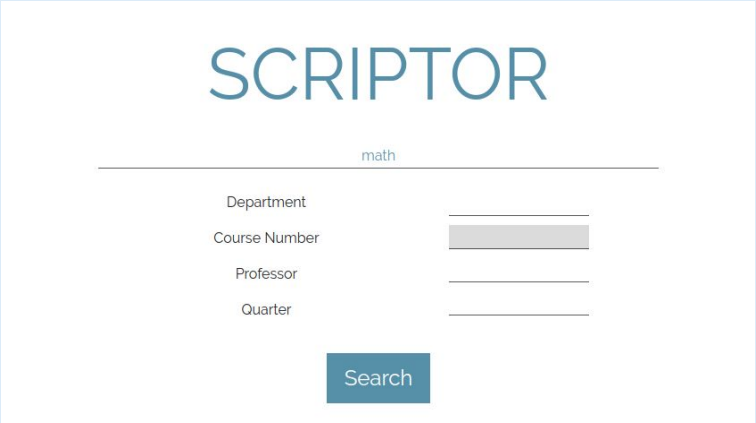
7) **The user shall enter the same new password "12345" in the verify field**

	 8) **The user shall click on the "RESET PASSWORD" button**  9) **The system shall display a "Password Updated" popup indicating a successful password change** 
Alternate Workflow	**Incorrect previous password** 4) **The user shall enter an incorrect previous password, which is "12345678"** 5) **The user shall input their new password "12345"** 6) **The user shall input "12345" in the password confirmation field** 7) **The user shall click on the "RESET PASSWORD" button** 8) **The system shall display an "Invalid Old Password" popup error**  **Password mismatch** 5) **The user shall input "12345" in the new password field** 6) **The user shall input "12344" in the password confirmation field.** 7) **The user shall click on the "RESET PASSWORD" button** 8) **The system shall display a "New Passwords Don't Match" popup error**  **Password not long enough**

	5) The user shall input “123” in the new password field **6) The user shall input “123” in the password confirmation field.** **7) The user shall click on the “RESET PASSWORD” button** **8) The system shall display a “Password must be at least 4 characters.” popup error** 
Expected Results	**This test passes when the system presents a success message “Password updated”, indicating the password has been changed.** **The first alternate test passes when the system presents an error message “Invalid old password”, indicating the previous password was entered incorrectly** **The second alternate test passes when the system presents an error message “New passwords don’t match” indicating the new password and password confirmation were different** **The third alternate test passes when the system presents an error message “Password must be at least 4 characters”**

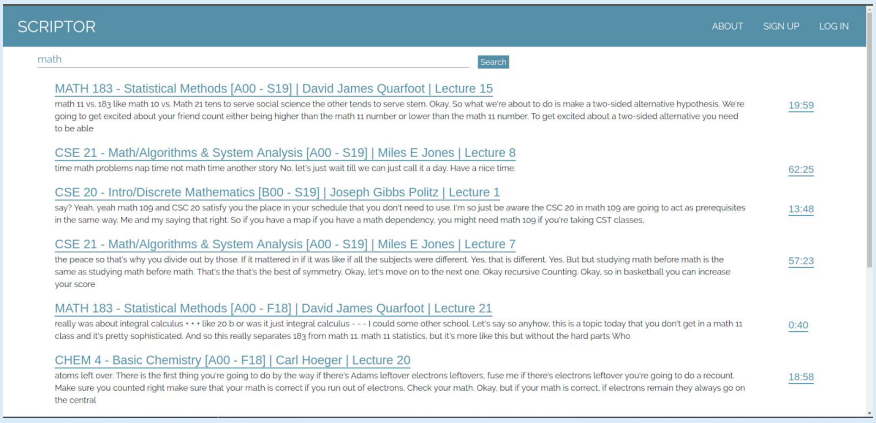
TC-SE #1 General Search

Priority	**High**
Status	**Complete**
Description	**The user queries for keywords/terms without any filters**
User Goal	**The user wishes to find a keyword/term in any available podcast from any department, course, professor, or quarter**
Desired Outcome	**The user sees unfiltered results from every podcast available in our application**
Actor	**User of the application**
Dependent Test Cases	**N/A**
Requirements	**SR #6**
Pre-conditions	**The user has not entered any filters to search with**
Post-conditions	**The user receives unfiltered results for their query in all podcasts the application services**
Trigger	**The user wants to query all classes independent of any filters to find relevant discussions to their query**
Workflow	**1) The user shall enter the query "math" into the search bar**

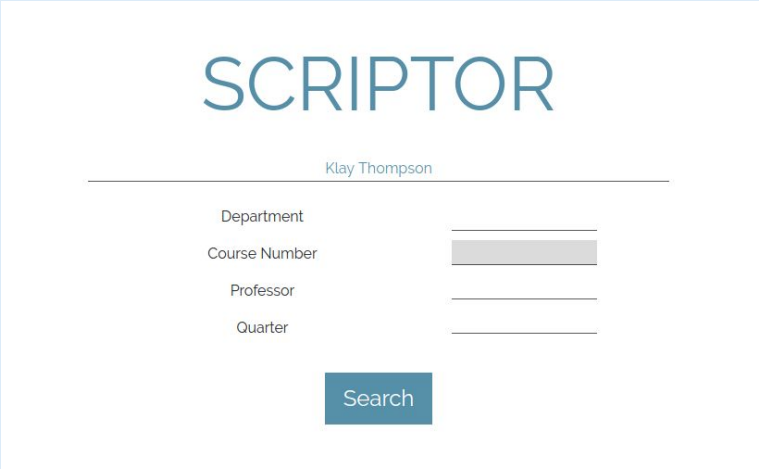


2) **The user shall press the "SEARCH" button or <ENTER>**

3) **The system shall give ten unfiltered results that each contain "math" in the text-blurb (for other queries that are not exactly matched in a text-blurb, the results will be sorted by relevance to the user query)**

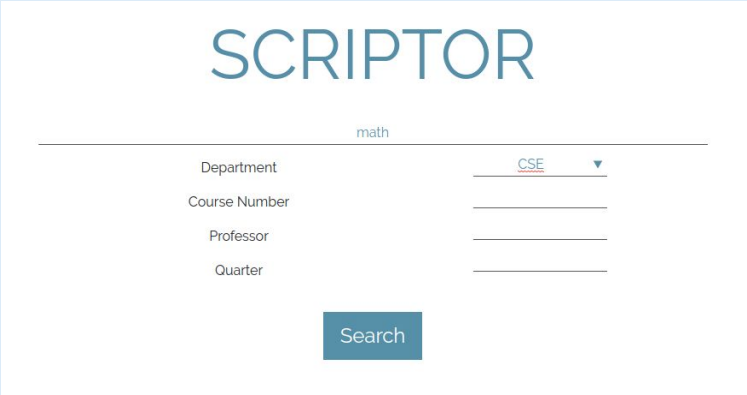


Alternate Workflow	**No Results Found** 1) **The user shall enter the query "Klay Thompson" into the search bar**

	 **2) The user shall click the "SEARCH" button**  **3) The system shall display "No results found."** 
Expected Results	**The test passes when the user can see the list of ten results that contain the query "math" in each associated text-blurb** **The first alternate test passes when the system displays a "No results found." message**

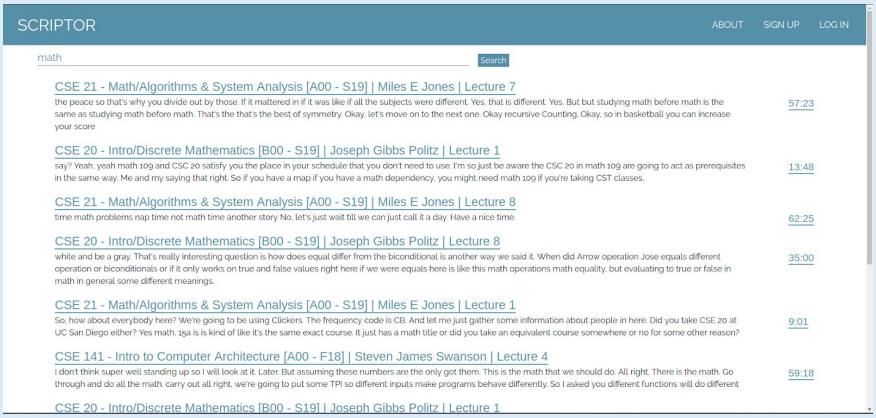
TC-SE #2 Search by Department

Priority	**High**
Status	**Complete**
Description	**The user queries for a term in a specific department like CSE**
User Goal	**The user wishes to narrow search results to just classes in the specified department**
Desired Outcome	**The user only sees results from the department they want**
Actor	**User of the application**
Dependent Test Cases	**SE #1**
Requirements	**SR #7**
Pre-conditions	**The user has not specified any department to filter the search**
Post-conditions	**The user receives results for their query in the department they specified**
Trigger	**The user wishes to narrow their search results to one department to get a specific perspective**
Workflow	**1) The user shall enter the query "math" into the search bar** **2) The user shall type in "CSE" in the Department field** **3) The system shall provide autocomplete options that the system supports for departments and remove gray from the Course Number field**



4) **The user shall click the “SEARCH” button**

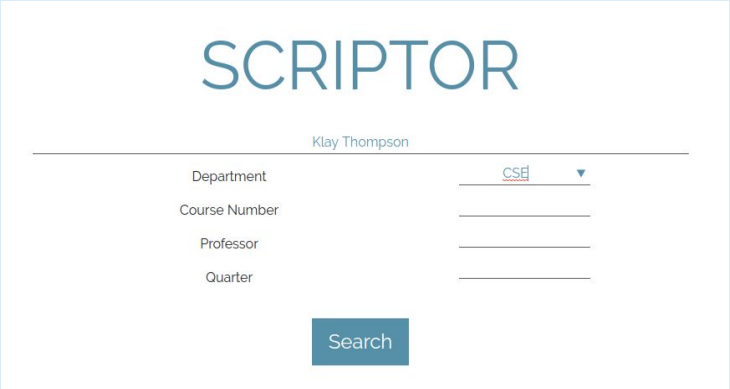
5) **The system shall display a list of ten podcast results from only the CSE department that contain “math” in the text-blurb**



Alternate Workflow

No Results Found

4) **The user shall enter the query “Klay Thompson” into the search bar**
5) **The user shall type “CSE” in the Department field**
6) **The system shall provide autocomplete options that the system supports for departments and remove gray from the Course Number field**

<table>
<tr>
<td></td>
<td>


7) The user shall click the “SEARCH” button

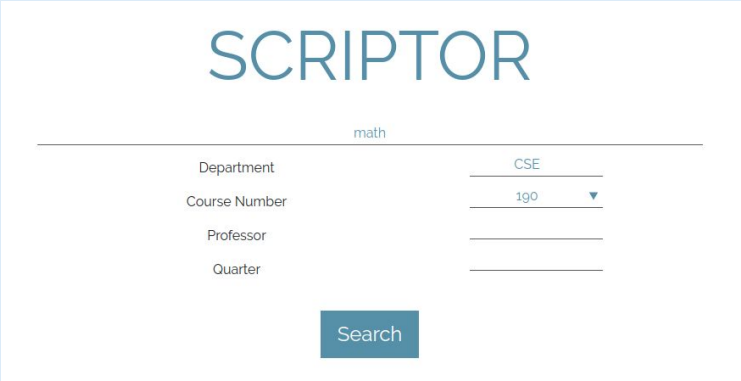

8) The system shall display “No results found.”


</td>
</tr>
<tr>
<td>Expected Results</td>
<td>The test passes when the user sees a list of ten podcast results from only the CSE department that contain “math” in each text-blurb

The alternate test passes when the system displays a “No Results found.” message</td>
</tr>
</table>

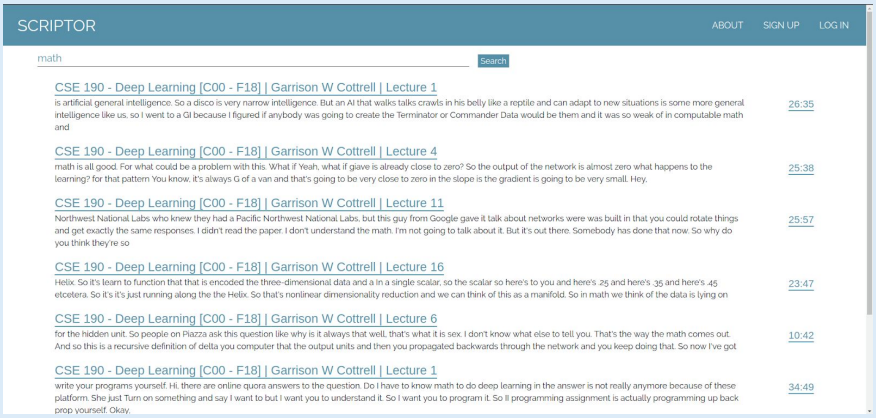
TC-SE #3 Search by Course Number

Priority	**High**
Status	**Complete**
Description	**The user searches for a term in a specific class like CSE 21**
User Goal	**The user wishes to narrow search results to just a specific class**
Desired Outcome	**The user only sees results from the class they want**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1**
Requirements	**SR #7**
Pre-conditions	**The user has not specified any class to filter the search**
Post-conditions	**The user receives results from their query in the class they specified**
Trigger	**The user wishes to narrow their search results to one class to get a specific perspective of the topic at hand**
Workflow	**1) The user shall enter the query "math" into the search bar** **2) The user shall type in "CSE" in the Department field** **3) The system shall remove gray from the Course Number field** **4) The user shall type in "190" in the Course Number field** **5) The system shall provide autocomplete options that the system supports for departments and course numbers**



6) **The user shall click the "SEARCH" button**

7) **The system shall display a list of eight podcast results from only CSE 190 lectures that contain "math" in the text-blurb**



Alternate Workflow	**No Results Found** 1) **The user shall enter the query "Klay Thompson" into the search bar** 2) **The user shall type in "CSE" in the Department field** 3) **The system shall remove the gray from the Course Number field** 4) **The user shall type "190" in the Course Number field** 5) **The system shall provide autocomplete options that the system supports for departments and course numbers**

<table>
<tr>
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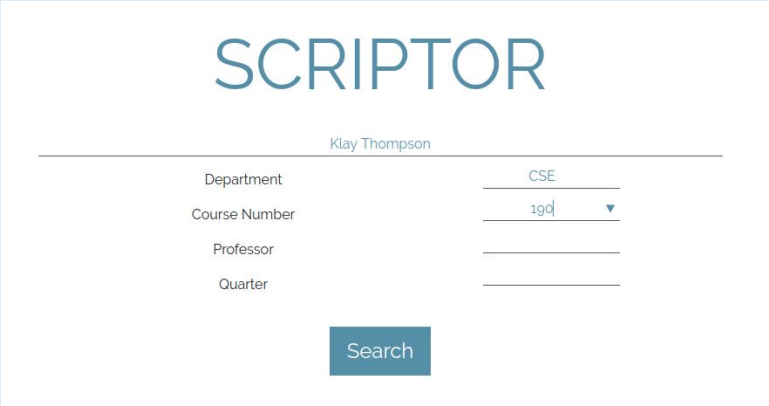


6) The user shall click the “SEARCH” button

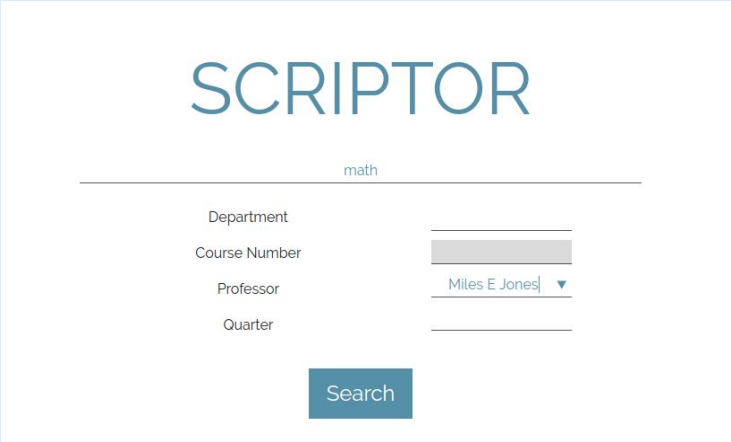

7) The system shall display “No results found.”


</td>
</tr>
<tr>
<td>Expected Results</td>
<td>The test passes when the user sees a list of eight podcast results from only CSE 190 lectures that contain “math” in each text-blurb

The alternate test passes when the system displays a “No Results found.” message</td>
</tr>
</table>

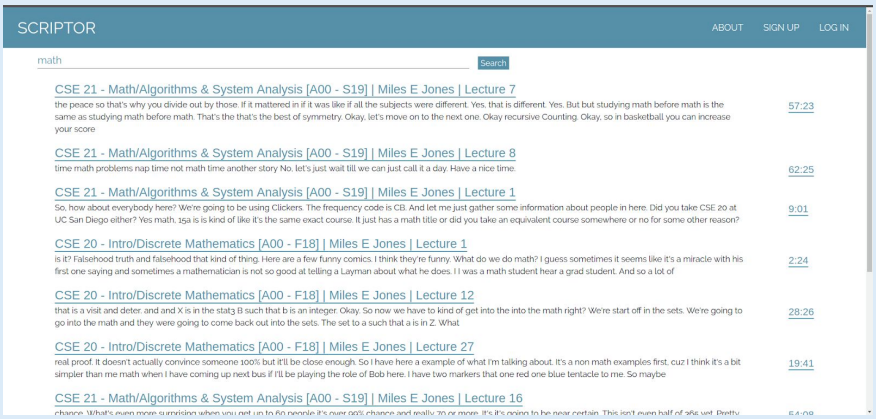
TC-SE #4 Search by Professor

Priority	**High**
Status	**Complete**
Description	**The user searches for a term said by a specific professor**
User Goal	**The user wishes to narrow search results to just a specific professor**
Desired Outcome	**The user only sees results from the professor they want**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1**
Requirements	**SR #7**
Pre-conditions	**The user has not specified any professor to filter the search**
Post-conditions	**The user receives results from their query for the professor they specified**
Trigger	**The user wishes to narrow their search results to one professor to get a specific perspective of the topic at hand**
Workflow	**1) The user shall enter the query "math" into the search bar** **2) The user shall type in "Miles Jones" in the Professor field** **3) The system shall provide autocomplete options that the system supports for professors**

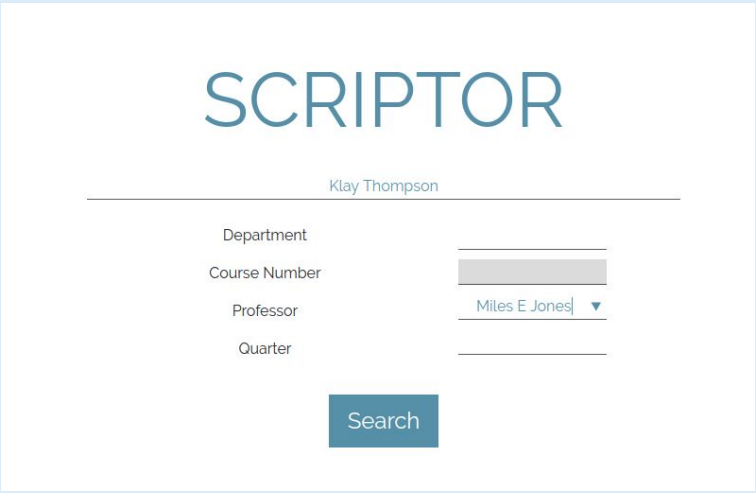


4) **The user shall click the "SEARCH" button**

5) **The system shall display a list of ten podcast results from only Miles Jones lectures that contain "math" in each text-blurb**



Alternate Workflow	**No Results Found** **1) The user shall enter the query "Klay Thompson" into the search bar** **2) The user shall type "Miles Jones" in the Professor field** **3) The system shall provide autocomplete options that the system supports for professors**

<table>
<tr>
<td></td>
<td>


4) The user shall click the “SEARCH” button

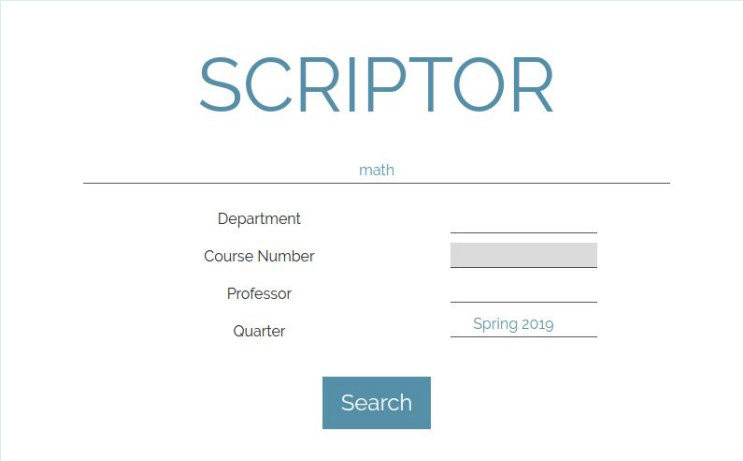

5) The system shall display “No results found.”


</td>
</tr>
<tr>
<td>Expected Results</td>
<td>The test passes when the user sees a list of ten podcast results from only Miles Jones lectures that contain “math” in each text-blurb

The alternate test passes when the system displays a “No Results found.” message</td>
</tr>
</table>

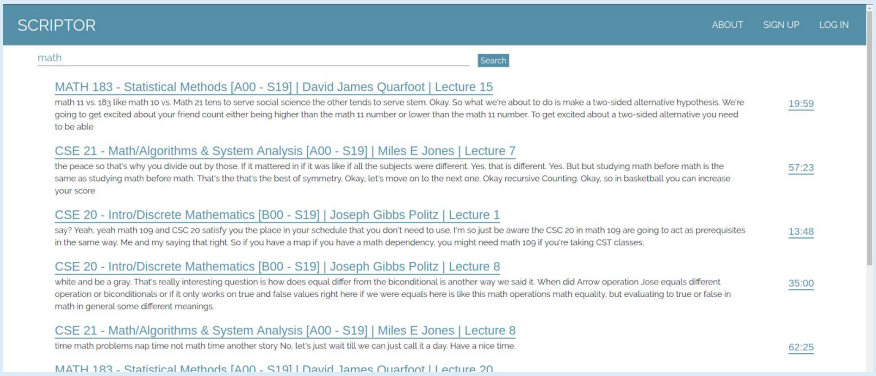
TC-SE #5 Search by Quarter

Priority	**High**
Status	**Complete**
Description	**The user searches for a term said during a specific quarter**
User Goal	**The user wishes to narrow search results to just a specific quarter**
Desired Outcome	**The user only sees results from the quarter they want**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1**
Requirements	**SR #7**
Pre-conditions	**The user has not entered any quarter to filter the search**
Post-conditions	**The user receives results from their query for the quarter they specified**
Trigger	**The user wishes to narrow their search results to one quarter to get a specific perspective of the topic at hand**
Workflow	**1) The user shall enter the query "math" into the search bar** **2) The user shall type in "Spring 2019" in the Quarter field** **3) The system shall provide autocomplete options that the system supports for quarters**



4) **The user shall click the "SEARCH" button**

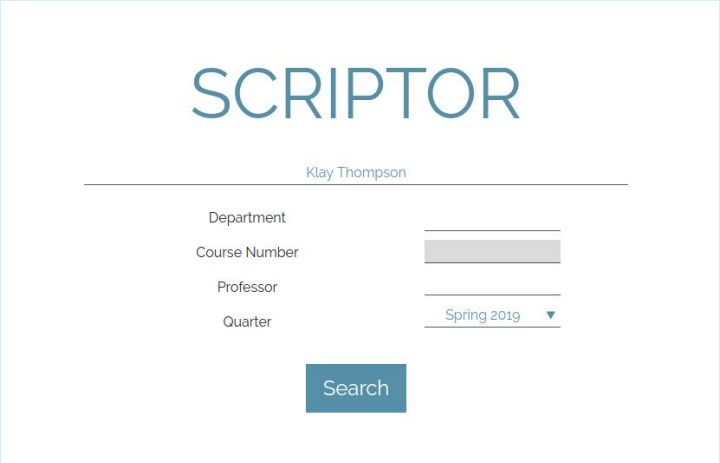
5) **The system shall display a list of ten podcast results from only the specified quarter lectures that contain "math" in each text-blurb**



Alternate Workflow

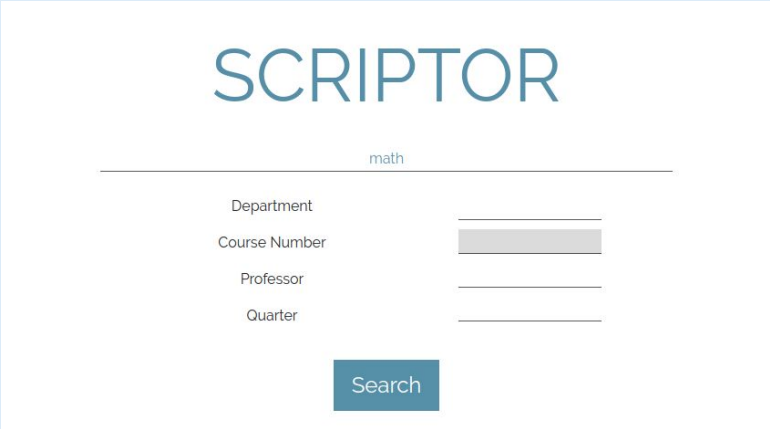
No Results Found

1) **The user shall enter the query "Klay Thompson" into the search bar**
2) **The user shall type "Spring 2019" in the Quarter field**
3) **The system shall provide autocomplete options that the system supports for quarters**

	 **4) The user shall click the "SEARCH" button**  **5) The system shall display "No results found."** 
Expected Results	**The test passes when the user sees a list of ten podcast results from only the specified quarter lectures that contain "math" in each text-blurb** **The alternate test passes when the system displays a "No Results found." message**

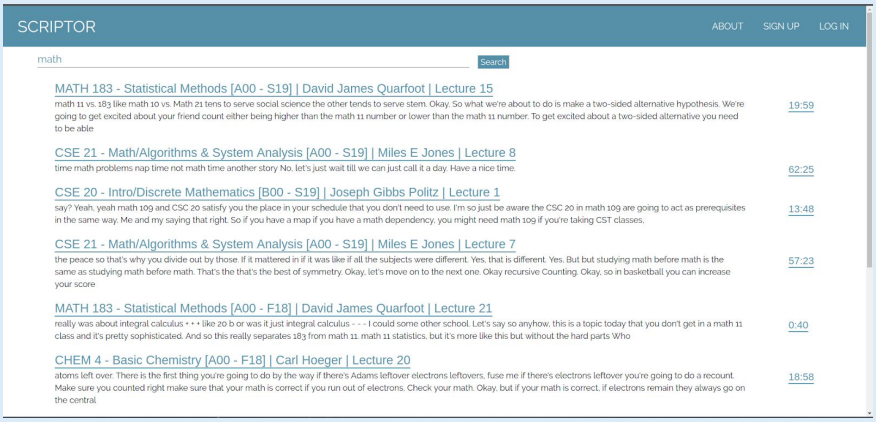
TC-SE #6 View All Query Results

Priority	**High**
Status	**Complete**
Description	**After the user queries, they will see a list results of all relating podcasts that contain the user query, and these results will display a text-blurb and the name of the course, professor, and lecture number of each podcast result**
User Goal	**The user wishes to see a list of all relating podcasts pertaining to their query**
Desired Outcome	**The user sees a list of podcast results which contain the user query**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1**
Requirements	**SR #8, SR #9**
Pre-conditions	**The user has searched for a keyword using any or none of the filters**
Post-conditions	**The user receives a page of at most 10 podcast results sorted by their relevance to the query**
Trigger	**The user wishes to view podcasts that contain their query**
Workflow	**1) The user shall enter in the query “math” with no filters selected**

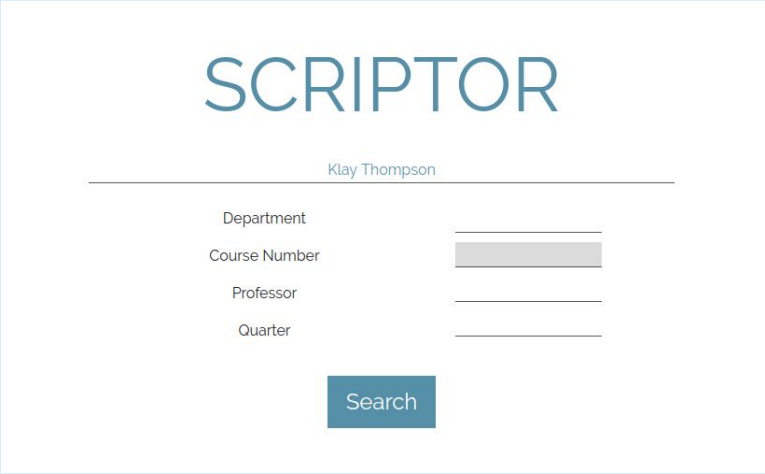


2) **The user shall press <ENTER> or the "SEARCH" button**

3) **The system shall display a list of ten podcast results that contain the query "math"**

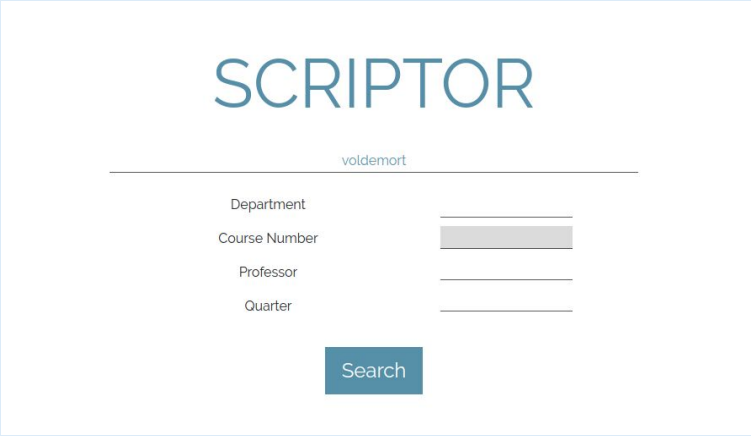


Alternate Workflow	**No Results Found** 1) **The user shall enter the query "Klay Thompson" into the search bar**

	 **2) The user shall click the "SEARCH" button**  **3) The system shall display "No results found"** 
Expected Results	**The test passes when the user sees a list of ten podcast results that each contain the query "math"** **The alternate test passes when the system displays a "No Results found." message**

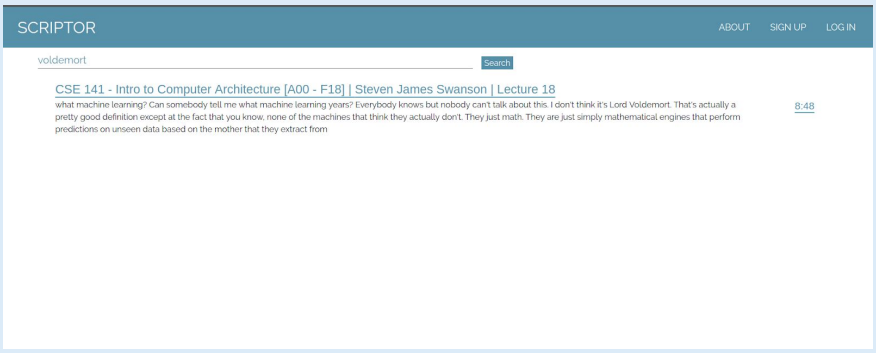
TC-SE #7 View a Podcast Result's Page

Priority	**High**
Status	**Complete**
Description	**After the user queries and is given a list of results, they will click a single result to view the information of that podcast**
User Goal	**The user wishes to gain more information about a particular result podcast**
Desired Outcome	**The user sees a short transcript of the part of the lecture containing their keyword(s), has access to view the podcast video at the appropriate time-stamp where the query was discussed, and has access to view the full transcript of the lecture**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1, TC-SE #6**
Requirements	**SR #9, SR #10, SR #11, SR #12, SR #13**
Pre-conditions	**The user has searched for a keyword using any or none of the filters and is given a list of podcast results**
Post-conditions	**The user receives a page with a short text-blurb containing the query, the podcast moved to the appropriate timestamp, and transcripts available below**
Trigger	**The user wishes to view a single podcast result at the timestamp where their query was discussed**
Workflow	**1) The user shall enter in the query "voldemort" with no filters selected**



2) **The user shall presses <ENTER> or the "SEARCH" button**

3) **The system shall display a list of one podcast result that contain the query "voldemort"**



4) **The user shall click on the result that originates from "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18"**
5) **The system shall display a page with the video of the podcast at the timestamp 8:48 which matches with the start of the corresponding textblurb**
6) **The system shall display a button to favorite the podcast, view full transcript link, and go to the original podcast button**

	
Alternate Workflow	**N/A**
Expected Results	**The test passes when the user sees a page for podcast "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18" with the video of the podcast at the appropriate time stamp 8:48. There should also be a favorite button, view full transcript link, and go to original podcast button**

TC-TR #1 View Full Transcript for One Podcast

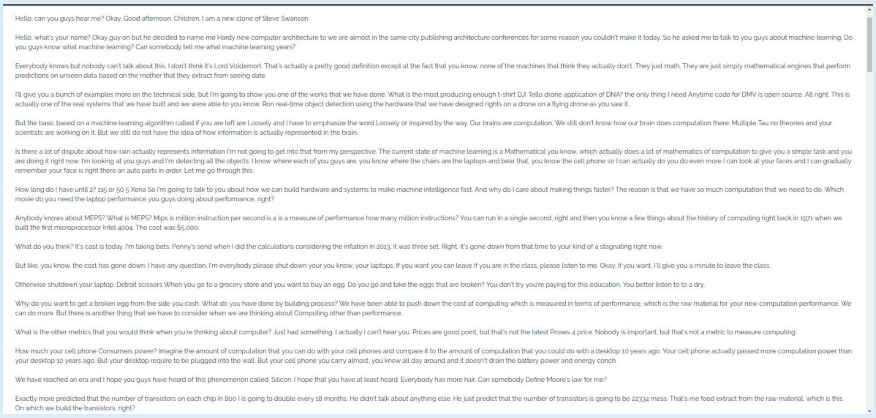
Priority	**High**
Status	**Complete**
Description	**The user can view the full transcript for the entire podcast on the individual results page**
User Goal	**The user wishes to see the transcript for the entire podcast for any reason, including lack of headphones in a quiet setting or enhanced learning experience through reading lectures**
Desired Outcome	**A full transcript of the podcast is displayed in a paragraph form**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #11**
Pre-conditions	**The user has entered a query, seen the list of results, and has clicked one of the results to view an individual podcast page**
Post-conditions	**The user receives a full transcript of the selected podcast in paragraph form on the podcast page**
Trigger	**The user would like the full text of the podcast that contains the query to gain more context without having to watch the podcast**
Workflow	**1) The user shall follow TC-SE #7 workflow** **2) The system shall display the "Podcast" page in a new screen**

<table>
<tr><td></td><td>


3) The user shall click the “View Full Transcript” link

View Full Transcript

4) The system shall display the full transcript



Hello, can you guys hear me? Okay. Good afternoon, Children. I am a new clone of Steve Swanson.

Hello, what's your name? Okay guy on but he decided to name me Hardy new computer architecture to we are almost in the same city publishing architecture conferences for some reason you couldn't make it today. So he asked me to talk to you guys about machine learning. Do you guys know what machine learning? Can somebody tell me what machine learning years?

Everybody knows but nobody can't talk about this. I don't think it's Lord Voldemort. That's actually a pretty good definition except at the fact that you know, none of the machines that think they actually don't. They just math. They are just simply mathematical engines that perform predictions on unseen data based on the mother that they extract from seeing date.

I'll give you a bunch of examples more on the technical side, but I'm going to show you one of the works that we have done. What is the most producing enough t-shirt DJI Tello drone application of DNA? the only thing I need Anytime code for DMV is open source. All right. This is actually one of the real systems that we have built and we were able to you know, Ron real-time object detection using the hardware that we have designed rights on a drone on a flying drone as you saw it.

But the basic based on a machine learning algorithm called if you are left are Loosely and I have to emphasize the word Loosely or inspired by the way. Our brains are computation. We still don't know how our brain does computation there. Multiple Tau no theories and your scientists are working on it. But we still do not have the idea of how information is actually represented in the brain.

Is there a lot of dispute about how rain actually represents information I'm not going to get into that from my perspective. The current state of machine learning is a Mathematical you know, which actually does a lot of mathematics of computation to give you a simple task and you are doing it right now. I'm looking at you guys and I'm detecting all the objects. I know where each of you guys are, you know where the chairs are the laptops and bear that, you know the cell phone so I can actually do you do even more I can look at your faces and I can gradually remember your face is right there an auto parts in order. Let me go through this.

How long do I have until 2? 135 or 50 5 Xena So I'm going to talk to you about how we can build hardware and systems to make machine intelligence fast. And why do I care about making things faster? The reason is that we have so much computation that we need to do. Which movie do you need the laptop performance you guys doing about performance, right?

Anybody knows about MEPS? What is MEPS? Mips is million instruction per second is a is a measure of performance how many million instructions? You can run in a single second, right and then you know a few things about the history of computing right back in 1971 when we built the first microprocessor Intel 4004. The cost was $5,000.

What do you think? It's cost is today. I'm taking bets. Penny's send when I did the calculations considering the inflation in 2013, it was three set. Right, it's gone down from that time to your kind of a stagnating right now.

But like, you know, the cost has gone down. I have any question. I'm everybody please shut down your you know, your laptops. If you want you can leave if you are in the class, please listen to me. Okay, if you want, I'll give you a minute to leave the class.

Otherwise shutdown your laptop. Detroit scissors When you go to a grocery store and you want to buy an egg. Do you go and take the eggs that are broken? You don't try you're paying for this education. You better listen to to a dry.

Why do you want to get a broken egg from the side you cash. What do you have done by building process? We have been able to push down the cost of computing which is measured in terms of performance, which is the raw material for your new computation performance. We can do more. But there is another thing that we have to consider when we are thinking about Computing other than performance.

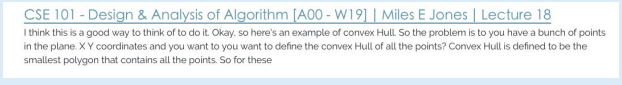
What is the other metrics that you would think when you're thinking about computer? Just had something. I actually I can't hear you. Prices are good point, but that's not the latest Proxes 4 price. Nobody is important, but that's not a metric to measure computing.

How much your cell phone Consumers power? Imagine the amount of computation that you can do with your cell phones and compare it to the amount of computation that you could do with a desktop 10 years ago. Your cell phone actually passed more computation power than your desktop 10 years ago. But your desktop require to be plugged into the wall. But your cell phone you carry almost, you know all day around and it doesn't drain the battery power and energy conch

We have reached an era and I hope you guys have heard of this phenomenon called. Silicon. I hope that you have at least heard. Everybody has more hair. Can somebody Define Moore's law for me?

Exactly more predicted that the number of transistors on each chip in 800 I is going to double every 18 months. He didn't talk about anything else. He just predict that the number of transistors is going to be 22334 mess. That's me food extract from the raw material, which is this. On which we build the transistors, right?
</td></tr>
<tr><td>Alternate Workflow</td><td>N/A</td></tr>
<tr><td>Expected Results</td><td>The test passes when the sees the “Full Transcript” page which displays the full transcript of the podcast that they clicked on with the phrase “voldemort” appearing in the text.</td></tr>
</table>

TC-TR #2 Podcast Transcript Highlights

Priority	**Low**
Status	**Cancelled**
Description	**The user can view the full transcript for the entire podcast on the results page with the words from their query highlighted**
User Goal	**The user wishes to quickly see the context around their query within the full transcript**
Desired Outcome	**A full transcript of the podcast is displayed in a paragraph form with the queries highlighted**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #15**
Pre-conditions	**The user has entered a query, seen the list of results, and has clicked one of the results to view an individual podcast page**
Post-conditions	**The user receives a full transcript of the selected podcast in paragraph form on the podcast page with highlights of the original query**
Trigger	**The user would like to view the context around their query without having to watch the podcast**
Workflow	**1) The user shall enter the query "Convex Hull" into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click the description of the first result which should be highlighted in blue**  CSE 101 - Design & Analysis of Algorithm [A00 - W19] | Miles E Jones | Lecture 18 I think this is a good way to think of to do it. Okay, so here's an example of convex Hull. So the problem is to you have a bunch of points in the plane. X Y coordinates and you want to you want to define the convex Hull of all the points? Convex Hull is defined to be the smallest polygon that contains all the points. So for these **4) The system shall display the "PodcastPage" to the user**

	5) The user shall click the "VIEW FULL HIGHLIGHTED TRANSCRIPT" button
Alternate Workflow	**N/A**
Expected Results	**The test passes when the user sees the "Full Transcript" page which displays the full transcript of the podcast that they clicked on in with the phrase "Convex Hull" highlighted in the text.**

TC-TR #3 Download Transcript

Priority	**Low**
Status	**Cancelled**
Description	**The user can download the full transcript for the entire podcast**
User Goal	**The user wishes to obtain a transcript of a podcast outside of the application**
Desired Outcome	**The user is able to download the transcript of a podcast onto their system**
Actor	**User of the application**
Dependent Test Cases	**TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #16**
Pre-conditions	**The user has entered a query, been redirected to the "Results" page, and has clicked one of the results to view an individual podcast page**
Post-conditions	**The user has the full podcast transcript on their system**
Trigger	**The user would like to locally download the full text of the podcast that contains the query to gain more context and save the transcripts for use without needing the application**
Workflow	**1) The user shall press the "View Full Transcript" button on the individual podcast page** **2) The system shall display the full transcript for the podcast the user has clicked on in the results page** **3) The user shall click on the "Download" button** **4) The system shall download the podcast transcript onto the user's device**
Alternate Workflow	**N/A**

Expected Results	**The test passes when the user sees the full transcript of the podcast that they downloaded show up in their system**

TC-PA #1 Add a Favorite Podcast

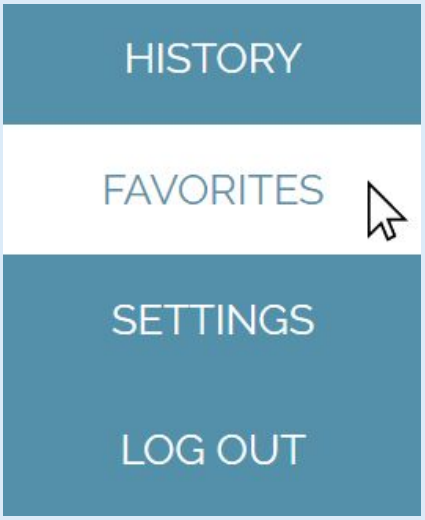
Priority	**Low**
Status	**Complete**
Description	**The user saves a podcast to their account's favorite list**
User Goal	**The user wishes to add a podcast to their account's favorite list**
Desired Outcome	**The podcast is added to the user account's favorite list**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2, TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #13**
Pre-conditions	**The user has an account, is logged in, has entered a query, and has selected a specific podcast result**
Post-conditions	**The podcast is within the user account's favorite list**
Trigger	**The user finds that a specific podcast is important and wishes to add it to their favorites list**
Workflow	**1) The user shall follow TC-AD #2 to log in to the account with email "scriptorTestCase@gmail.com" and password "1234" (or "12345" if you followed the workflow to change password)** **2) The user shall follow TC-SE #7 workflow to query "voldemort"** **3) The system shall display the "Podcast" page in a new screen**

4) **The user shall click the "FAVORITE" button**

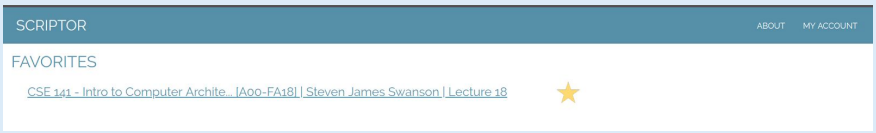
5) **The system shall display a popup notification indicating "Added to Favorites"**

6) **The user shall hover over the "MY ACCOUNT" button**

7) **The system shall display a drop down menu with buttons for "HISTORY", "FAVORITES", "SETTINGS", and "LOG OUT"**
8) **The user shall click on the "FAVORITES" button**

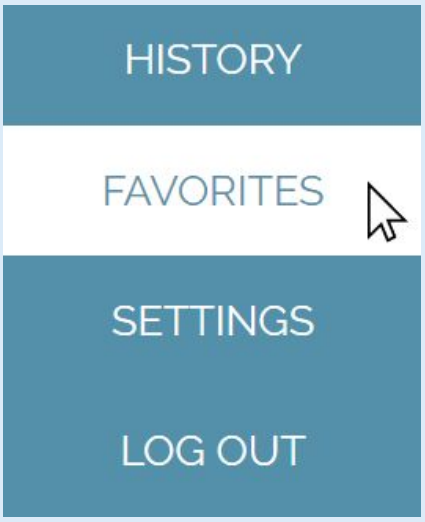
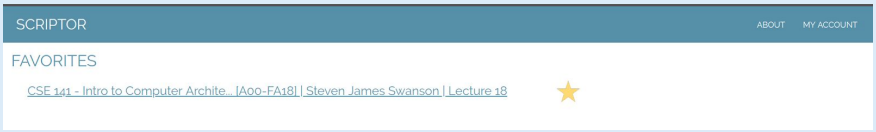


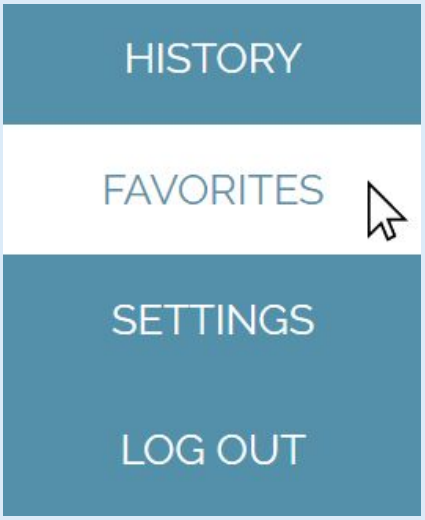
9) **The system shall display the Favorites page for the user account which contains "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18"**

	
Alternate Workflow	**N/A**
Expected Results	**This test passes when the user sees the popup notification saying "Added to Favorites" and the user favorite's page contains the "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18" course**

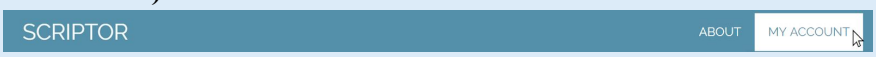
TC-PA #2 Unfavorite a Podcast

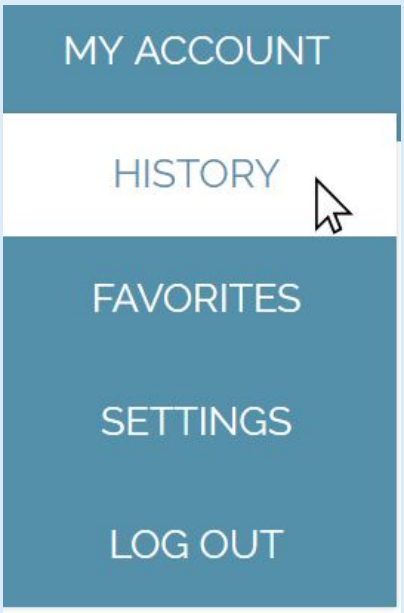
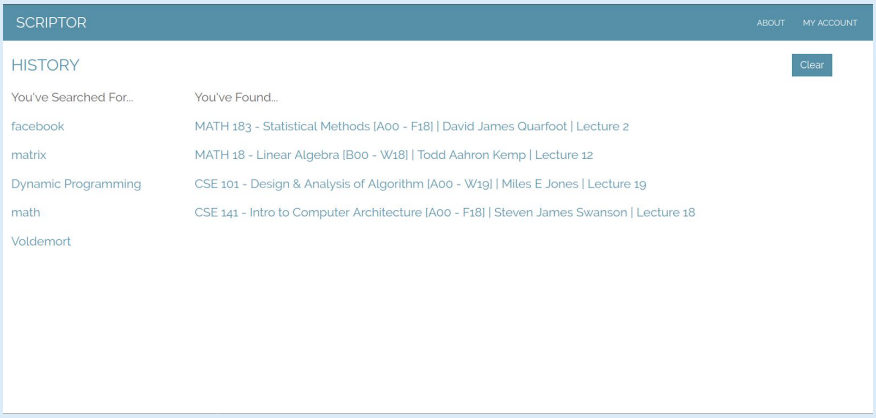
Priority	**Low**
Status	**Complete**
Description	**The user removes a podcast from their account's favorite list**
User Goal	**The user wishes to remove a podcast from their account's favorite list**
Desired Outcome	**The podcast is removed from the user account's favorite list**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2, TC-SE #1, TC-SE #6, TC-SE #7, TC-PA #1**
Requirements	**SR #13**
Pre-conditions	**The user has an account, is logged in, and has already favorited a podcast in the past**
Post-conditions	**The podcast is no longer within the user account's favorite list**
Trigger	**The user no longer finds that a specific podcast is important and wishes to remove it from their favorites list**
Workflow	**1) The user shall hover over the "MY ACCOUNT" button**  **2) The system shall display a drop down menu with buttons for "HISTORY", "FAVORITES", "SETTINGS", and "LOG OUT"** **3) The user shall click the "FAVORITES" button**

	 **4) The system shall display the list of Favorite podcasts (from dependent test case TC-PA #1)**  **5) The user shall click the star icon next to the podcast**  **6) The system shall display a pop-up that indicates the podcast has been removed from the favorites list**  **7) The system shall remove the podcast from the favorites list** **8) The user shall refresh the favorites page to see that favorite podcast removed**
Alternate Workflow	**Unfavoriting from the Podcast Page** **1) The user shall follow TC-PA #1 to get to individual podcast page** **2) The user shall click the "UNFAVORITE" button at the bottom of podcast page**  **3) The user shall hover over the "MY ACCOUNT" button**

	 **4) The system shall display a dropdown menu of "HISTORY", "FAVORITES", "SETTINGS", "LOG OUT"** **5) The user shall click the "FAVORITES" button**  **6) The system shall not display the unfavorited podcast in the list of Favorites**
Expected Results	**The test passes when the user sees a favorite page without the unfavorited podcast** **The alternate test passes when the user sees a favorite page without the unfavorited podcast**

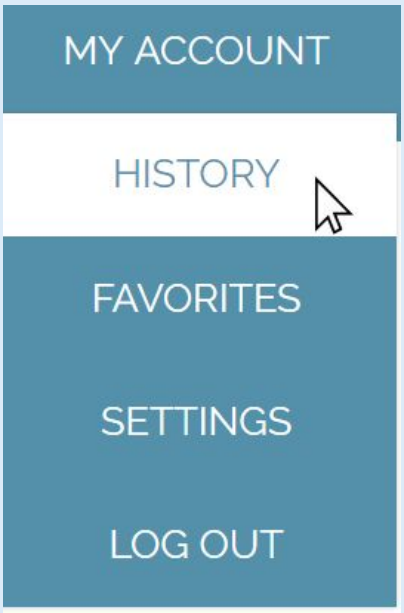
TC-PA #3 View History

Priority	**Medium**
Status	**Complete**
Description	**The user views a list of all of their previous queries and the podcasts they have watched in the past**
User Goal	**The user wishes to see what queries they have entered and what podcasts they have viewed in the past**
Desired Outcome	**The user sees the history related to their account**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2, TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #14**
Pre-conditions	**The user has an account and is logged in**
Post-conditions	**The user receives a list of their search history and viewed podcast history**
Trigger	**The user wants to view their history to see what they viewed or queried in the past in case they want to review material**
Workflow	**1) The user shall follow TC-SE #6 and TC-SE #7 to create some queries and corresponding search results** **2) The user shall hover over the "MY ACCOUNT" button (Should already be logged in based on dependent test case)**  **3) The system shall display a dropdown menu of "HISTORY", "FAVORITES", "SETTINGS", "LOG OUT"** **4) The user shall click the "HISTORY" button**

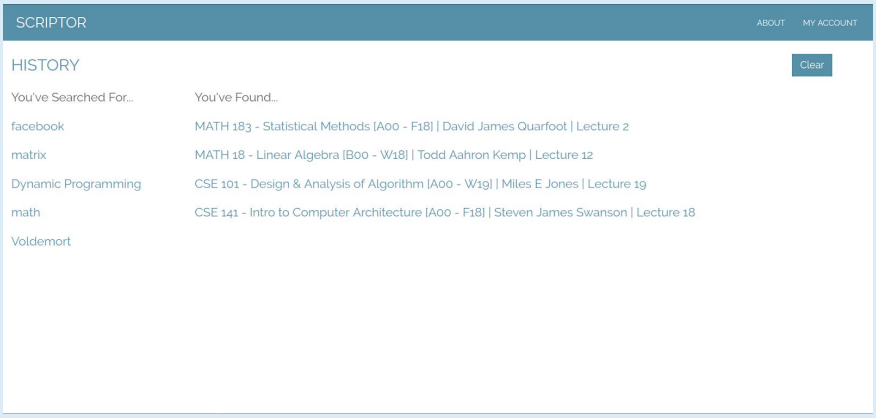
	 **5) The system shall show the "History" page with the previous queries under "You've Searched For…" and previous individual podcast viewings under "You've Found…" sorted by recency** 
Alternate Workflow	**N/A**
Expected Results	**The test passes when the users sees the "History" page with the previous queries under "You've Searched For…" and previous individual podcast viewings under "You've Found…"**

TC-PA #4 Clear History

Priority	**Medium**
Status	**Complete**
Description	**After the user deletes their search history, their search history is cleared**
User Goal	**The user wishes to clear their search history for any reason, including starting a new quarter with a new history**
Desired Outcome	**The user can no longer view previous queries or podcasts watched**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2, TC-SE #1, TC-SE #6, TC-SE #7**
Requirements	**SR #17**
Pre-conditions	**The user has an account and is logged in**
Post-conditions	**The user's search history is empty**
Trigger	**The user wants to clean their search history to avoid viewing previous queries**
Workflow	**1) The user shall hover over the "MY ACCOUNT" button (Should be logged in and searched queries from dependent test cases)**  **2) The user shall click the "HISTORY" button**



3) **The system shall display the "History" page with the previous queries under "You've Searched For…" and previous individual podcast viewings under "You've Found…" sorted by recency**

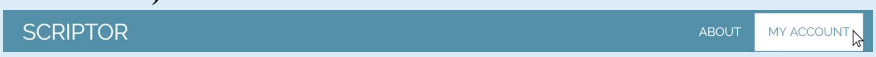


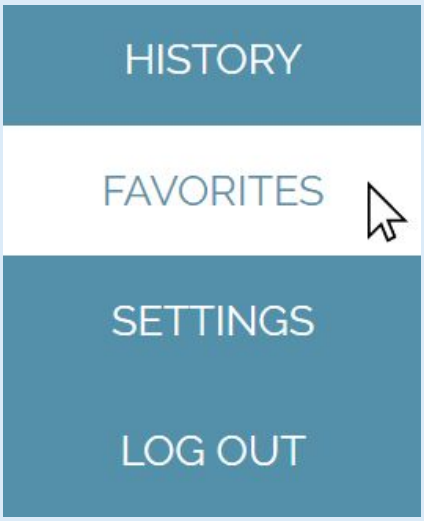
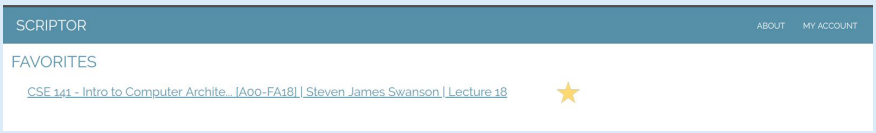
4) **The user shall click the "CLEAR" button**

5) **The system shall display a pop-up indicating "History Cleared"**

Alternate Workflow	**N/A**
Expected Results	**The test passes when the user sees the "History" page with no entries in both the "You've searched for…" and "You've found…" sections after the "History Cleared" popup appears**

TC-PA #5 View Favorites

Priority	**Medium**
Status	**Complete**
Description	**The user views a list of all of their previous favorited podcasts**
User Goal	**The user wishes to see what podcasts they have favorited in the past**
Desired Outcome	**The user sees the past favorited podcasts from their account**
Actor	**User of the application**
Dependent Test Cases	**TC-AD #1, TC-AD #2, TC-SE #1, TC-SE #6, TC-SE #7, TC-PA #1**
Requirements	**SR #18**
Pre-conditions	**The user has an account and is logged in, and has previously favorited a podcast while being logged in**
Post-conditions	**The user receives a list of their favorited podcasts**
Trigger	**The user wants to view their favorite podcasts from the past so they can see the podcasts they have deemed important to revisit**
Workflow	**1) The user shall follow TC-SE #6 and TC-SE #7 to create some queries and corresponding search results which can be favorited as seen in TC-PA #1** **2) The user shall hover over the "MY ACCOUNT" button (Should already be logged in based on dependent test case)**  **3) The system shall display a dropdown menu of "HISTORY", "FAVORITES", "SETTINGS", "LOG OUT"** **4) The user shall click the "FAVORITES" button**

	 **5) The system shall display a list of previously favorited podcasts** 
Alternate Workflow	**N/A**
Expected Results	**The test passes when the users sees the "Favorites" page with previously favorited podcasts**

User Story Acceptance Tests

Team: Tech Support

David Febles - Project Manager
Ayush Shukla - Quality Assurance Lead
Subhash Ramesh - Software Architect
Sabeel Mansuri - User Interface Specialist (I)
Shuusei "Shu" Yoshida - User Interface Specialist (II)
Raghavan Kope - Database Specialist
Somsubhro "Som" Dhar - Business Analyst
Pranav Narasimmaraj - Algorithm Specialist
Kelvin Chan - Senior System Analyst
Amithab Arumugam - Software Development Lead (I)
Nikhil Pathak - Software Development Lead (II)

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Priority

High: ***Vital*** **- Features that are absolutely essential.**
Medium: ***Desired*** **- Features that are highly wanted but not required.**
Low: ***Optional*** **- Features that are nonessential add-ons.**

Status

Cancelled
Not Started
In Progress
Complete

Glossary

Term	Definition
Account	Email and Password pair used to identify an account
Podcast	A video and audio recording of a specific course lecture
Favorite	A **podcast** that is specially marked as “Favorite” for easier access later
Transcript	A **podcast** transcribed to text
Query	A specific key term or phrase that is being searched by the user
Query history	Searches performed in the past tied to an **account**
Results	List of podcasts that contain the user **query** with noted timestamps and other relevant podcast information
Podcast Page	Represents the full view page of a single podcast if the user selects a result
Filters	Narrow search by podcast quarter, professor, department, and/or course number
Text-Blurb	Surrounding words spoken in a podcast around the given **query**

User Story Test #1 Account Creation

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to make an account**
Test Workflow	**1) The user shall click the "SIGN UP" button** **2) The user shall fill in the account information in the SIGN UP popup (e.g. Email: "testEmail1@gmail.com", Password: "12345", Password Confirmation: "12345")** **3) The user shall click the "SIGN UP" button**
Expected Results	**The user shall be redirected to the home page while logged in to their new account**
Actual results	**N/A**

User Story Test #2 User Log In

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to log in to my account**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in the account information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234")** **3) The user shall click the "LOG IN" button**
Expected Results	**The user shall be redirected to the home page logged in to their account**
Actual results	**N/A**

User Story Test #3 User Log Out

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to log out of my account**
Test Workflow	**1) The user shall hover over "MY ACCOUNT"** **2) The user shall click the "LOG OUT" button**
Expected Results	**The user shall be redirected to the home page logged out of their account**
Actual results	**N/A**

User Story Test #4 Forgot Password

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to change my password to my account**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall click the "Forgot your password?" button** **3) The user shall fill in the email (e.g. "scriptorTestCase@gmail.com")** **4) The user shall click the "RESET PASSWORD" button** **5) The user shall check their email for a link to reset their password** **6) The user shall follow the instructions to reset the password to "1234"** **7) The user shall click the "LOG IN" button** **8) The user shall fill in the account information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234")** **9) The user shall click the "LOG IN" button**
Expected Results	**The user shall be redirected to the home page logged in to their account with their new password**
Actual results	**N/A**

User Story Test #5 Change Password

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to change my password to my account**
Test Workflow	**1) The user shall hover over "MY ACCOUNT"** **2) The user shall click the "SETTINGS" button** **3) The user shall fill in the account information in the CHANGE PASSWORD form (e.g. Old Password: "12345", New Password: "1234", Confirm Password: "1234")** **4) The user shall hover over "MY ACCOUNT"** **5) The user shall click the "LOG OUT" button** **6) The user shall click the "LOG IN" button** **7) The user shall fill in the account information in the LOG IN popup (e.g. Email: "testEmail@gmail.com", Password: "1234")** **8) The user shall click the "LOG IN" button**
Expected Results	**The user shall be redirected to the home page logged in to their account with their new password**
Actual results	**N/A**

User Story Test #6 General Search

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to search through UCSD podcasts for keywords**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall click the "SEARCH" button**
Expected Results	**The user shall be redirected to a page that lists all UCSD Podcasts with text-blurbs that contain the phrase "math"**
Actual results	**N/A**

User Story Test #7 Search by Department

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to search for podcasts in a specific department**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall type in the department in the Department field (e.g. "CSE")** **3) The user shall click the "SEARCH" button**
Expected Results	**The user shall be redirected to a page that lists all UCSD Podcasts from the CSE Department with text-blurbs that contain the phrase "math"**
Actual results	**N/A**

User Story Test #8 Search by Course Number

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to search for podcasts in a specific course**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall type in the department in the Department field (e.g. "CSE")** **3) The user shall type in the course number in the Course field (e.g. "190")** **4) The user shall click the "SEARCH" button**
Expected Results	**The user shall be redirected to a page that lists all UCSD Podcasts from CSE 190 with text-blurbs that contain the phrase "math"**
Actual results	**N/A**

User Story Test #9 Search by Professor

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to search for podcasts from a specific professor**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall type in the professor in the Professor field (e.g. "Miles Jones")** **3) The user shall click the "SEARCH" button**
Expected Results	**The user shall be redirected to a page that lists all UCSD Podcasts from Miles Jones with text-blurbs that contain the phrase "math"**
Actual results	**N/A**

User Story Test #10 Search by Quarter

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to search for podcasts in a specific quarter**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall type in the quarter in the Quarter field (e.g. "Spring 2019")** **3) The user shall click the "SEARCH" button**
Expected Results	**The user shall be redirected to a page that lists all UCSD Podcasts from Spring 2019 with text-blurbs that contain the phrase "math"**
Actual results	**N/A**

User Story Test #11 View Surrounding Text-Blurb

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to view text surrounding my query**
Test Workflow	**1) The user shall enter a query (e.g. "math") into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click on the first link**
Expected Results	**The user shall view the results contain text-blurbs that provide information around the search query of "math", and the user shall see that the linked page contains the text-blurb corresponding to the result with the search query of "math" in it**
Actual results	**N/A**

User Story Test #12 View a Podcast's Page

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to view the podcast associated with my search query**
Test Workflow	**1) The user shall enter a query (e.g. "Voldemort") into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click the first result**
Expected Results	**The user shall be redirected to the podcast page for podcast "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18" which corresponds to the text-blurb on that page containing the query "Voldemort"**
Actual results	**N/A**

User Story Test #13 View Podcast Timestamp

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to quickly find a timestamp in a podcast**
Test Workflow	**1) The user shall enter a query (e.g. "Voldemort") into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click the first result**
Expected results	**The user shall be redirected to the podcast page for podcast "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18" with the video player at the timestamp 8:48 which corresponds to the text-blurb on that page containing the query "Voldemort"**
Actual results	**N/A**

User Story Test #14 View Full Transcript for One Podcast

Priority	**High**
Status	**Complete**
Description	**As a UCSD student, I want to be able to read the entire transcript of a lecture**
Test Workflow	**1) The user shall enter a query (e.g. "Voldemort") into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click the first result** **4) The user shall click the "View Full Transcript" link**
Expected results	**The user shall see the full transcript of the podcast that they clicked on in a new tab of their browser with the phrase "Voldemort" appearing in the text**
Actual results	**N/A**

User Story Test #15 Podcast Transcript Highlights

Priority	**Low**
Status	**Cancelled**
Description	**As a UCSD student, I want to be able to read the entire highlighted transcript of a class lecture**
Test Workflow	**1) The user shall enter a query (e.g. "Voldemort") into the search bar** **2) The user shall press the "SEARCH" button** **3) The user shall click the first result** **4) The user shall click the "View Highlighted Transcript" button**
Expected results	**The user shall see the full transcript of the podcast that they clicked on in a new tab of their browser with the phrase "Voldemort" appearing highlighted in the text**
Actual results	**N/A**

User Story Test #16 Download Transcript for Podcast

Priority	**Low**
Status	**Cancelled**
Description	**As a UCSD student, I want to be able to download the entire transcript of a lecture**
Test Workflow	**1) The user shall enter a query (e.g. "Voldemort") into the search bar** **2) The user shall click the "SEARCH" button** **3) The user shall click the first result** **4) The user shall click the "Download" button**
Expected results	**The user shall see the full transcript of the podcast that they clicked on in a new tab of their browser with the phrase "Voldemort" appearing in the text and downloaded locally**
Actual results	**N/A**

User Story Test #17 Add Favorite Podcasts

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to save important podcasts**
Test Workflow	**1) The user shall click the "LOG IN" button.** **2) The user shall fill in the account information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall enter a query (e.g. "Voldemort") into the search bar** **5) The user shall click the "SEARCH" button** **6) The user shall click the first result** **7) The user shall click the "FAVORITE" button** **8) The user shall hover over "MY ACCOUNT"** **9) The user shall click the "FAVORITES" button**
Expected results	**The user shall see the "UNFAVORITE" button of the podcast they favorite and will see the recently favorited podcast on their FAVORITES screen which contains "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18"**
Actual results	**N/A**

User Story Test #18.1 Unfavorite Podcasts

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to remove irrelevant podcasts that I favorited**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in the account information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall enter a query (e.g. "Voldemort") into the search bar** **5) The user shall click the "SEARCH" button** **6) The user shall click the first result** **7) The user shall click the "UNFAVORITE" button** **8) The user shall hover over "MY ACCOUNT"** **9) The user shall click the "FAVORITES" button**
Expected results	**The user shall see the "FAVORITE" button on the podcast page and shall not see the podcast they unfavorite, "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18", on their FAVORITES screen**
Actual results	**N/A**

User Story Test #18.2 Unfavorite Podcasts

Priority	**Low**
Status	**Complete**
Description	**As a UCSD student, I want to be able to remove irrelevant podcasts that I favorited**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in the account information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall hover over "MY ACCOUNT"** **5) The user shall click the "FAVORITES" button** **6) The user shall click the star next to the first favorited podcast (assuming it has not been unfavorited from previous test case)**
Expected results	**The user shall not see the recently unfavorited podcast, "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18", on their FAVORITES screen upon refreshing the page**
Actual results	**N/A**

User Story Test #19 View Search History

Priority	**Medium**
Status	**Complete**
Description	**As a UCSD student, I want to be able to look at my previous queries**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in relevant information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall enter a query (e.g. "Donut")** **5) The user shall hover over "MY ACCOUNT"** **6) The user shall click the "HISTORY" button**
Expected results	**The user shall see the new added search query, "Donut", under the section for queries**
Actual results	**N/A**

User Story Test #20 View Podcast History

Priority	**Medium**
Status	**Complete**
Description	**As a UCSD student, I want to be able to look at my previously viewed podcasts**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in relevant information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall enter a query (e.g. "Voldemort")** **5) The user shall click the first link** **6) The user shall hover over "MY ACCOUNT"** **7) The user shall click the "HISTORY" button**
Expected results	**The user shall see the newly added viewed podcast, "CSE 141 - Intro to Computer Architecture [A00 - F18] | Steven James Swanson | Lecture 18", in the podcast column**
Actual results	**N/A**

User Story Test #21 Clear User's Search History

Priority	**Medium**
Status	**Complete**
Description	**As a UCSD student, I want to be able to clear my query history**
Test Workflow	**1) The user shall click the "LOG IN" button** **2) The user shall fill in relevant information in the LOG IN popup (e.g. Email: "scriptorTestCase@gmail.com", Password: "1234") (or "12345" if you followed the workflow to change password)** **3) The user shall click the "LOG IN" button** **4) The user shall hover over "MY ACCOUNT"** **5) The user shall click the "HISTORY" button** **6) The user shall click the "CLEAR HISTORY" button**
Expected results	**The user shall see that the History page is blank**
Actual results	**N/A**