SCRIPTOR

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Use Cases

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**

Introduction

While the diversity of the student body at UC San Diego creates a multitude of opinions and preferences, the usefulness of the UCSD podcast system is seldom questioned. Garnering views from those who do and don't attend lectures, those who cram before midterms and finals, and those who live off-campus, the podcast system provides a great resource for learning (or relearning) at one's own pace. An inherent caveat with this seemingly perfect system, however, is that searching through podcasts for specific information can be tedious. And so, with the motivation of facilitating this task, we introduce Scriptor, a web-based application that allows students to search UCSD podcasts, be linked to video timestamps for queried information, and view transcripts of entire relevant podcasts.

To accomplish this task, Scriptor allows users to submit a query or topic that they want to know more information about and returns podcasts containing information relevant to the topic at hand. The app initially shows a text box in which the user can type their questions or keywords. When the user is finished entering their query, they can hit the "Search" button to obtain podcasts that discuss the keywords or answer the questions asked by the user. The user can filter the search results by selecting their preferred department, course number, professor, and/or quarter before clicking "Search". This streamlines this process significantly, as the search scope is limited to the user preferences. This filter contributes to improved search results and increases user customizability.

To maximize the convenience and time saved for the user, Scriptor provides result links for each user query that specify a podcast timestamp when the relevant information is being discussed. The user will be given an option to play the podcast at the given timestamp if they wish to do so. The timestamp is derived from the user-entered search constraints, if any exist. This feature eliminates the need for users to scour through the entire podcasts to find information, greatly reducing hassle and inconvenience.

In order to provide another medium of conveying the same answer to the user, Scriptor has an option for the user to view a full transcript of the relevant result podcast. This feature will be especially helpful for those in quiet settings, students who feel more comfortable reading, or avid notetakers. This speech-to-text tool will save the user time and provide extended usability in circumstances where watching or listening to a podcast is not feasible.

Scriptor is an application that serves to make UCSD students' lives easier by immediately answering their academic questions through podcast retrieval. Students will not have to waste time looking through podcasts to find the topics that they are interested in; instead, Scriptor provides a quick and easy way to connect them to the information they want. We believe that with Scriptor, UCSD students will find studying via podcasts easier and more effective. Happy podcasting!

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 Use Cases	N/A
Requirements	SR #1
Pre-conditions	An account with the same email does not exist and user is not logged in
Post-conditions	An account with the email and 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 on the "SIGN UP" button on any page 2) The system shall present them a popup to input an email and password combination 3) The user shall input their desired email, password, and confirmation password 4) The system shall create an account and store it in the database
Alternate Workflow	**Invalid Email** 3) The user shall input an invalid or already used email 4) The system shall inform them to choose a different email

	Password Error 3) **The user shall enter a different password in the confirmation box than the other password box or enter a password that is shorter than 4 characters** 4) **The system shall inform them to re-enter their password**

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 in into their account and now can access their account history and favorite podcasts
Actor	User of the application
Dependent Use Cases	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 2) The user shall enter their email and password 3) The system shall log them in
Alternate Workflow	Invalid Email/Password 2) The user shall input an invalid email or password 3) The system shall inform them to re-enter their account information

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 Use Cases	AD #1, 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" 2) The user shall click on the "LOG OUT" button 3) The system shall log them out
Alternate Workflow	N/A

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 Use Cases	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 and the user is logged out
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 and press the "RESET PASSWORD" button 5) The system shall display a pop-up indicating a verification email was sent 6) The system shall send a message to the account's email 7) The user shall receive an email with instructions to change their account password 8) The user shall follow the instructions to change the password

Alternate Workflow	Invalid email
	5) **The system shall present an error message indicating no account exists under that email**
	6) **The system shall ask again for user account email**
	7) **Resume at step 4 of expected workflow**

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 Use 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" 2) The user shall click on the "SETTINGS" button 3) The system shall prompt for previous password, new password, and confirmation of new password 4) The user shall enter the previous password, new password, and confirmation of new password 5) The system shall display a success message for password change
Alternate Workflow	Incorrect previous password 5) The system shall present an error message indicating the previous password was entered incorrectly 6) Resume at step 4 of expected workflow

	Password Mismatch 5) **The system shall present an error message indicating the new password and password confirmation were different** 6) **Resume at step 4 of expected workflow**

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 Use 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 a query into the search bar 2) The user shall press the "SEARCH" button or <ENTER> 3) The system shall give unfiltered results based on the user query
Alternate Workflow	The system has no results for the given query 3) The system shall display a "No results found." message for the user query

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 Use 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 a query into the search bar 2) The user shall enter the department they are interested in via the filter bars 3) The user shall press the "SEARCH" button 4) The system shall return all results from the search that match the department specified
Alternate Workflow	The user shall input a department where the keyword does not appear 4) The system shall display a "No results found." message for the user query

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 Use Cases	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 a query into the search bar 2) The user shall enter the department and course number they are interested in via the filter bars 3) The user shall press the "SEARCH" button 4) The system shall return all results from the search that match the class specified
Alternate Workflow	The user shall input a class where the keyword does not appear 4) The system shall display a "No results found." message for the user query

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 Use Cases	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 a query into the search bar 2) The user shall enter the professor they are interested in via the filter bars 3) The user shall press the "SEARCH" button 4) The system shall return all results from the search that match the professor in question
Alternate Workflow	The user shall input a professor who does not speak about the keyword in any podcast 4) The system shall display a "No results found." message for the user query

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 Use Cases	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 a query into the search bar 2) The user shall enter the quarter they are interested in via the filter bars 3) The user shall press the "SEARCH" button 4) The system shall return all results from the search that match the quarter in question
Alternate Workflow	The user shall input a quarter where the keyword does not appear 4) The system shall display a "No results found." message for the user query

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 Use Cases	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 view all the podcast results with corresponding text-blurbs given after the query search
Alternate Workflow	N/A

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 Use Cases	SE #1, 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 click the result they wish to view 2) The system shall display a new page with the podcast at the appropriate query timestamp 3) The system shall display the text-blurb containing the user query
Alternate Workflow	N/A

TR #1 View Full Transcript for One Podcast

Priority	**High**
Status	**Complete**
Description	After clicking a single result for the query, 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 Use Cases	SE #1, SE #6, 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	Without needing to watch the podcast at the appropriate timestamp, the user would like the full text of the podcast that contains the query to gain more context
Workflow	1) The user shall press the "View Full Transcript" link 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
Alternate Workflow	N/A

TR #2 Podcast Transcript Highlights

Priority	Low
Status	Cancelled
Description	After clicking a single result for the query, the user can view the full transcript for the entire podcast on the results page which will contain highlighted words that matched the query
User Goal	The user wishes to view the context around the search query within the podcast's transcript while still knowing where the query results were located
Desired Outcome	A full transcript of the podcast is displayed in a paragraph form with the queries highlighted
Actor	User of the application
Dependent Use Cases	SE #1, SE #6, 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 press the "View Highlighted Transcript" button on the individual podcast page 2) The system shall display the full highlighted transcript for the podcast the user has clicked on in the results page
Alternate Workflow	N/A

TR #3 Download Transcript

Priority	Low
Status	Cancelled
Description	After clicking a single result for the query, 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 Use Cases	SE #1, SE #6, SE #7
Requirements	SR #16
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 the full transcript on their system for the podcast via a download
Trigger	Without needing to watch the podcast at the appropriate timestamp, 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

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 Use Cases	AD #1, AD #2, SE #1, SE #6, 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 click the "FAVORITE" button 2) The system shall display a pop-up that indicates the podcast has been added to the favorites list 3) The system shall add the podcast to the user account's favorite list
Alternate Workflow	N/A

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 Use Cases	AD #1, AD #2, SE #1, SE #6, SE #7, 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 "MY ACCOUNT" 2) The user shall click the "FAVORITES" button 3) The system shall display the list of favorited podcasts 4) The user shall click the star icon next to the podcast they want to remove 5) The system shall display a pop-up that indicates the podcast has been removed from the favorites list 6) The system shall remove the podcast from the favorites list
Alternate Workflow	Unfavoriting from the Podcast Page 1) The user shall click the "UNFAVORITE" button at the bottom of podcast page

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 Use Cases	**AD #1, AD #2, SE #1, SE #6, 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 hover over "MY ACCOUNT"** 2) **The user shall click the "HISTORY" button** 3) **The system shall display all previous searches and podcasts in order from most to least recent**
Alternate Workflow	N/A

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 Use Cases	AD #1, AD #2, SE #1, SE #6, 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 "MY ACCOUNT" 2) The user shall click the "HISTORY" button 3) The system shall display all previous searches in order from most to least recent 4) The user shall click the "CLEAR HISTORY" button 5) The system shall display a pop-up indicating the history has been cleared 6) The system shall clear the user's search history
Alternate Workflow	N/A

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 Use Cases	AD #1, AD #2, SE #1, SE #6, SE #7, PA #1
Requirements	SR #18
Pre-conditions	The user has an account and is 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 hover over "MY ACCOUNT" 2) The user shall click the "FAVORITES" button 3) The system shall display all previously favorited podcasts
Alternate Workflow	N/A