

Software Testing Documentation

Project Name

Applied Language Research

Prepared by

Applied Language Team

Date

24APR2021



1. OVERVIEW

1.1 Purpose of the Test Plan Document

This Test Plan enables the team to properly outline and document the tests to be performed on the product. Testing ensures that the product functions as expected. The main user of this document is the Applied Language Team. The document may also be shared with clients, users, or other stakeholders if their input is valuable to the testing procedures.

1.2 Testing Strategies

In this document, the team will be performing two types of testing: unit testing and functional testing. Since unit testing is a form of white-box testing, it will provide us with more detailed testing information on specific program methods. This will allow us to catch potential coding errors within the code that may otherwise go unnoticed by more broad testing methods. To ensure the project meets the client's overall goals, we have also decided to perform functional testing as our black-box testing. This testing will ignore internal coding and instead focus on determining if the outputs of test cases related to our functional requirements match the intended results. Between these two forms of testing, we will have tested both the internal code-base and broader project requirements.

1.3 Test Risks / Issues

Risks of product testing include:

- Possible crashing of the database
 - Solution: Have a back-up databases downloaded on multiple local machines ready for recovery.
- Crashing of webpages
 - In the case of a fixable crash the team will first work to fix the issue before resorting to the solution below.
 - Solution: Copy the current working Web Pages and attachments on a local machine so if a large unfixable crash occurred the original pages can be recovered.
- Loss of information
 - All Data from the project will be on GitHub which can be recovered with some effort.

2. UNIT TESTING

2.1 Scope

Unit Test Scope
In Scope - Methods
General Methods Create Account Login View Audio Rate Audio
Out of Scope - Methods
Upload Audio: Upload audio lacked any methods that produced specific outputs that were testable.

2.2 Methodology

Unit testing will be performed within the code itself. Test cases will be written for each function accepting inputs and returning specific testable outputs. Results will be printed to the console to confirm correct output and recorded in Section 2.4 - Test Results.

2.3 Test Readiness

HTTP service must be running on the server. Django web framework process must be running on the server.

2.4 Test Results

Unit Testing						
ID*	Test Case	Input	Expected Output	Actual Output	Pass/Fail	Tester / Date
General Methods						
R.H.7 / L.H.5	is_Confirmed (user)	user.confirmed = True	Result: True	Result: True	Pass	Kobe - 2/24/21
R.H.7 / L.H.5	is_Confirmed (user)	user.confirmed = False	Result: False	Result: False	Pass	Kobe - 2/24/21
R.H.8 / R.H.9 / L.H.6	sendEmail(subject, message, recipient)	subject = "Test", message="This is a test email", recipient="test@gmail.com"	Result: Test email received	Result: Test email received	Pass	Kobe - 3/10/21
Create Account						
R.H.6 / L.H.4	validateForm(email, password, confirmPassword)	email = "test@gmail.com", password = "1234", confirmPassword = "1234"	Result: True	Result: True	Pass	Linda - 2/26/21
R.H.6 / L.H.4	validateForm(email, password, confirmPassword)	email = "test@gmail.com", password = "1234", confirmPassword = "abcd"	Result: False	Result: False	Pass	Linda - 2/26/21
R.H.6 / L.H.4	validateForm(email, password)	email = "testgmail", password = "1234"	Result: False	Result: False	Pass	Linda - 2/26/21

	password, confirmPassword)	confirmPassword = "1234"				
R.M.2 / R.M.3	previousSection(currentSection)	currentSection= 1, sections= [section0, section1, section2]	Result: 0 (Index of current section), previousButton.visibility = "hidden", section[0] content loaded	Result: 0 (Index of current section), previousButton.visibility = "hidden", section[0] content loaded	Pass	Linda - 2/26/21
R.M.2 / R.M.3	previousSection(currentSection)	currentSection= 2, sections= [section0, section1, section2]	Result: 1 (Index of current section), previousButton.visibility = "visible", section[1] content loaded	Result: 1 (Index of current section), previousButton.visibility = "visible", section[1] content loaded	Pass	Linda - 2/26/21
R.M.2 / R.M.3	nextSection(currentSection)	currentSection= 0, sections= [section0, section1, section2]	Result: 2 (Index of current section), nextButton.visibility = "visible", section[1] content loaded	Result: 2 (Index of current section), nextButton.visibility = "visible", section[1] content loaded	Pass	Linda - 2/26/21
R.M.2 / R.M.3	nextSection(currentSection)	currentSection= 1, sections= [section0, section1, section2]	Result: 2 (Index of current section), nextButton.visibility = "hidden", section[2] content loaded	Result: 2 (Index of current section), nextButton.visibility = "hidden", section[2] content loaded	Pass	Linda - 2/26/21
Login						
R.H.7 / L.H.5	ajax_loginUser() - Valid email, valid password	username="bob@gmail.com", password="123", valid database email, valid database password	Result: user.is_authenticated = True (Successful login)	Result: user.is_authenticated = True (Successful login)	Pass	Levi - 2/26/21
R.H.7 / L.H.5	ajax_loginUser() - Valid email, invalid password	username="bob@gmail.com", password="123", valid database email, invalid database password	Result: user.is_authenticated = False (Unsuccessful login)	Result: user.is_authenticated = False (Unsuccessful login)	Pass	Levi - 2/26/21
R.H.7 / L.H.5	ajax_loginUser() - Invalid email, valid password	username="bob@gmail.com", password="123", invalid database email, valid database password	Result: user.is_authenticated = False (Unsuccessful login)	Result: user.is_authenticated = False (Unsuccessful login)	Pass	Levi - 2/26/21
R.H.7 / L.H.5	ajax_loginUser() - Invalid email, invalid password	username="bob@gmail.com", password="123", invalid database email, invalid database password	Result: user.is_authenticated = False (Unsuccessful login)	Result: user.is_authenticated = False (Unsuccessful login)	Pass	Levi - 2/26/21
View Audio						
R.H.5 / R.M.1	ajax_multilink(audioIDs)	audioIDs = [1, 2, 3, 4]	Result: uniqueLink != null	Result: uniqueLink != null	Pass	Levi - 4/3/21
Rate Audio						
N.M.2	previousAudio(currentAudio)	currentAudio = 3, feedbacks = [3, 5, 6, 4]	Result: 2 (Index of current feedback), previousButton.visibility = "visible", feedback[2] data displayed	Result: 2 (Index of current feedback), previousButton.visibility = "visible", feedback[2] data displayed	Pass	David - 3/7/21
N.M.2	previousAudio(currentAudio)	currentAudio = 1, feedbacks = [3, 5, 6, 4]	Result: 0 (Index of current feedback), previousButton.visibility = "hidden", feedback[0] data displayed	Result: 0 (Index of current feedback), previousButton.visibility = "hidden", feedback[0] data displayed	Pass	David - 3/7/21

N.M.2	nextAudio(currentAudio)	currentAudio = 0, feedbacks = [3, 5, 6, 4]	Result: 1 (Index of current feedback), nextButton.visibility = "visible", feedback[1] data displayed	Result: 1 (Index of current feedback), nextButton.visibility = "visible", feedback[1] data displayed	Pass	David - 3/7/21
N.M.2	nextAudio(currentAudio)	currentAudio = 2, feedbacks = [3, 5, 6, 4]	Result: 3 (Index of current feedback), nextButton.visibility = "hidden", feedback[3] data displayed	Result: 3 (Index of current feedback), nextButton.visibility = "hidden", feedback[3] data displayed	Pass	David - 3/7/21
Statistics						
R.L.8	downloadExcel(languageID, limitWords, limitLearners, start, end)	languageID = 1, limitWords = 5, limitLearners = 0, start = 1/01/2021, end = 4/10/2021	Result: Statistics.xlsx != null	Result: Statistics.xlsx != null	Pass	David - 3/16/21

**Test Case IDs correspond to SRS*

3. FUNCTIONAL TESTING

3.1 Scope

Functional Test Scope
In Scope
Registration Login/Logout Upload Audio Rate Audio View Audio
Out of Scope
<p>Researcher Statistics: These functions were partially completed before being placed on hold, they are currently awaiting specific database query information from the client.</p> <p>PRAAT Requirements: These functions require a more in-depth understanding of the client's specific usage of the PRAAT software system to develop. Our team was unable to have this usage demonstrated, and so these requirements were labeled low priority and did not get implemented during this year's development.</p> <p>Teacher Requirements: These functions were labeled low priority and did not have any specific requirements from the current client. They were not implemented during this year's development.</p> <p>Native Speaker Audio Recording Requirements: These functions were labeled low priority due to the client specifically needing only written feedback. They were not implemented during this year's development.</p>

3.2 Methodology

Functional testing will be performed on the website. For each functional test, the corresponding web page will be opened, and the respective data shall be input on those pages. Results of each test will be recorded in Section 3.5 - Test Results.

3.3 Test Readiness

HTTP service must be running on the server. Django web framework process must be running on the server.

3.4 Test Cases

ID	Test Case Summary	Prerequisites	Test Procedure	Input Data	Expected Result
R.H.1	Upload a large audio file as a Researcher account and a file that is not an audio file.	1. User must be logged in as a researcher. 2. User must be authenticated.	1. Login 2. Navigate to upload audio page. 3. Select a file. 4. Enter details. 5. Submit file.	File: File Original Text: test English Text: test Language: Blackfoot	Error message displayed under file upload button saying file is too large. Or if non-audio file, error pop-up when submitting form.
R.H.5	Rate an audio file while being both logged-in and logged-out.	1. User must be logged in. 2. User must be authenticated.	1. Login. 2. Navigate to rate audio url. 3. Rate the audio. 4. Logout. 5. Navigate to url again and try rating again.	Rating: 7 Comment: Great	User should be able to rate the audio file from both instances.
R.H.6	Try registering new accounts with invalid emails and with various inputs that attempt to break it.	1. User must be logged out.	1. Navigate to registration page. 2. Input various scenarios. 3. Click Register.	First: xxx Last: xxx Email: xxx Account Type: Researcher	User should not be able to register without a valid email address. Inputs should be validated so that SQL injection isn't possible.
R.H.7	Try logging in to an authenticated account with a wrong password, the same password but with different capitalization.	1. User must be logged out.	1. Navigate to login page. 2. Input various scenarios. 3. Click Login.	Email: xxx Password: xxx	User should not be able to login without the same credentials that were inputted during registration. Anything else will prompt a login error.
R.H.8	Send two confirmation codes to the same email and attempt to confirm using the older confirmation. Try going to the same confirmation url	1. User must be logged out. 2. User must have a registered account that is not yet authenticated.	1. Try logging in to a non-authenticated account. 2. Resend the confirmation email. 3. Try to authenticate using the oldest confirmation email.	N/A	Only the newest confirmation url should be active. Navigating through the confirmation url of the oldest email should yield no confirmation.

	twice and see if anything breaks.				
R.H.9	Complete a rating and verify that the researcher who created the link gets sent an email. Verify that other researchers aren't emailed.	N/A	<ol style="list-style-type: none"> 1. Navigate to rate audio url. 2. Rate the audio. 3. Check emails of various researcher accounts. 	Rating: 7 Comment: Great	Only the researcher who created the url should get an email.
R.M.1	Try creating a rating link for every audio file. Try creating one for a single audio file. Try creating one with no audio files selected.	<ol style="list-style-type: none"> 1. User must be logged in. 2. User must be authenticated. 3. User must be a researcher. 	<ol style="list-style-type: none"> 1. Navigate to View audio page. 2. Select audio files. 3. Click the link generation button. 4. Navigate to the url to see if it works. 	N/A	URLs should be able to be generated for any number of audio files except. When none are selected the button should do nothing.
R.M.2	Try various inputs to try and break the registration form for demographic data.	<ol style="list-style-type: none"> 1. User must be logged out. 	<ol style="list-style-type: none"> 1. Navigate to registration page. 2. Fill out the demographic data with various scenarios. 3. Click Register. 	N/A	Inputs should be scrubbed and validated.
R.M.3	Try registering without accepting the IRB consent form.	<ol style="list-style-type: none"> 1. User must be logged out. 	<ol style="list-style-type: none"> 1. Navigate to registration page. 2. Fill out all the forms. 3. Don't click accept for the IRB consent. 4. Click Register. 	N/A	Error should pop-up requiring that the user accepts the consent form before they may register.
R.M.4	Verify that demographic data can only be submitted by researchers. Try submitting uploaded audio with demographic data only partially filled out.	<ol style="list-style-type: none"> 1. User must be logged in. 2. User must be authenticated. 3. User must be a researcher. 	<ol style="list-style-type: none"> 1. Navigate to audio upload page. 2. Fill out the demographic data partially. 3. Try to submit the file. 4. Try to repeat process on a non-researcher account. 	N/A	Demographic data should be allowed to be submitted partially filled out. Non-researchers should not get any options for demographic data while uploading audio.
N.H.1	Try and submit a rating without leaving a 1-7 rating.	N/A	<ol style="list-style-type: none"> 1. Navigate to rate audio url. 2. Fill out all fields except rating. 3. Try and submit. 	N/A	Error should pop-up stating that the rating field is required for submission.
N.H.2	Try to rate an audio file while logged out.	<ol style="list-style-type: none"> 1. User must be logged out. 	<ol style="list-style-type: none"> 1. Navigate to rate audio url. 2. Fill out all fields. 3. Submit rating. 4. Check for confirmation that the rating has been recorded. 	N/A	User should be able to submit the rating with no issues while logged out.
N.M.1	Submit ratings with no comments, comments with	N/A	<ol style="list-style-type: none"> 1. Navigate to rate audio url. 2. Fill out all fields except comment. 3. Try to submit. 	N/A	User should not be able to submit without any comments. Back-end

	various types of characters, and comments with SQL injection inputs.		<ol style="list-style-type: none"> Fill out comment with various scenarios. Try to submit. 		should scrub inputs to prevent SQL injection.
N.M.2	Try to submit rating without rating all the audio files in the rating link.	N/A	<ol style="list-style-type: none"> Navigate to rate audio url. Fill out all fields for all audios except the last one. Try to submit. 	N/A	Error should be prompted requesting that the user fill out the required fields.
L.H.1	Upload a large audio file as a Learner account and a file that is not an audio file.	<ol style="list-style-type: none"> User must be logged in as a learner. User must be authenticated. 	<ol style="list-style-type: none"> Login Navigate to upload audio page. Select a file. Enter details. Submit file. 	File: File Original Text: test English Text: test Language: Blackfoot	Error message displayed under file upload button saying file is too large. Or if non-audio file, error pop-up when submitting form.
L.H.2 T1	Leave the original text box empty.	<ol style="list-style-type: none"> Tester must be logged in as a learner Tester Must be on the Upload audio page with the Blackfoot_dog.mp3 as the chosen audio file. 	<ol style="list-style-type: none"> input the input data to the form on Upload Audio press submit wait to see if an alert occurs. If not remove any data placed in the database from this test 	<ol style="list-style-type: none"> Do not input in the "original text" text box input "dog" into the "English text" text box. Choose "Blackfoot" as the language spoken 	An alert message should occur telling the tester to fill out the original text field before allowing a submission
L.H.2 T2	Try leaving English text blank	<ol style="list-style-type: none"> Tester must be logged in as a learner Tester Must be on the Upload audio page with the Blackfoot_dog.mp3 as the chosen audio file. 	<ol style="list-style-type: none"> input the input data to the form on Upload Audio press submit wait to see if an alert occurs. If not remove any data placed in the database from this test 	<ol style="list-style-type: none"> Input "iimitaikoan" into the "original text" text box Do not input anything into the "English text" text box. Choose "Blackfoot" as the language spoken 	An alert message should pop up not allowing the user to submit their audio without filling out the "english text" text box.
L.H.2 T3	Try leaving both original text and english text blank	<ol style="list-style-type: none"> Tester must be logged in as a learner Tester Must be on the Upload audio page with the Blackfoot_dog.mp3 as the chosen audio file. 	<ol style="list-style-type: none"> input the input data to the form on Upload Audio press submit wait to see if an alert occurs. If not remove any data placed in the database from this test 	<ol style="list-style-type: none"> Do not input into the "original text" text box Do not input anything into the "English text" text box. Choose "Blackfoot" as the language spoken 	An alert message should pop up for both empty text boxes not allowing the user to submit their audio.
L.H.2 T4	try to input words in both boxes that contain ()"><,.?/\!#\$%&.	<ol style="list-style-type: none"> Tester must be logged in as a learner Tester Must be on the Upload audio page with the Blackfoot_dog.mp3 as the chosen audio file. 	<ol style="list-style-type: none"> input the input data to the form on Upload Audio press submit Check that the data was placed into the database 	<ol style="list-style-type: none"> Input "()"><,.?/\!#\$%&" into the "original text" text box Input "()"><,.?/\!#\$%&" into the "English text" text box. 	<p>The text should be submitted and stored in the database</p> <p>NOTE: The text may not be exact in the database but should look exact when presented in View audio</p>

				3.Choose "Blackfoot" as the language spoken	
L.H.2 T5	Input a large text into both text boxes approx:100 characters	1Tester must be logged in as a learner 2. Tester Must be on the Upload audio page with the Blackfoot_dog.mp3 as the chosen audio file.	1.input the input data to the form on Upload Audio 2.press submit 3.Check that the data was placed into the database	1. Input "HelloGoodbyeThisIsSomeTextThatIsAWeirdSized wordThat is UnlikelyToHappenUnlessWeWantSentencesToBeAllowed" into both textboxes. 2. Chose "Blackfoot" as the language spoken	The text should be added to the database without issues. NOTE: This could cause issues on View Audio
L.H.3	Learner can only see audio files uploaded by their own account	1. Logged in as user type Learner 2. Audio files uploaded by user 3. Audio files uploaded by other users	1. Navigate to View Audio page	N/A	User can only see audio files uploaded by their own account
L.H.4	User type Learner account creation	Must not be logged in to an account.	1. Navigate to site -> create account page 2. Input data 3. Submit data	first name="", last name="", email="", password="", user type="Learner"	User sent a confirmation email
L.H.5	User type Learner login	1. Must have previously created a user type Learner account. 2. Must not be logged into an account. 3. Must have confirmed account via sent link in email	1. Navigate to site 2. Login	email="", password=""	User successful login
L.H.6	User type Learner account confirmation	1. Must have previously created a user type Learner account. 2. Must not have already confirmed the account.	1. Click on link sent to email	N/A	User is displayed a page letting them know their account is confirmed
L.M.1	Listening to uploaded audio files	1.Must be logged in as a Learner 2. Must have already uploaded audio file 3.Make sure the testing computer has volume on and playable where the tester can hear	1. Navigate to the view audio page 2. press the play button to hear audio	None	When the play button is pressed the audio should be played where the tester can hear it.
L.L.2	View comments on audio recordings	1.Must be logged in as a Learner 2. must have uploaded audio and rated that audio	1.Navigate to ViewAudio 2. click on feedback of audio with feedback 3. note if feedback was what was rated.	When rating file input Rating:4 Comments: This audio isn't the best.	The rater's rating and comments should appear the same as they were submitted.
L.L.3 T1	Enter text for multiple languages	1.Must be logged in as a Learner 2.Be on Upload audio page	1.Upload the audio file 2. Enter the original text 3. Enter the english text 4.Choose Blackfoot as the Audio language	audio file: Blackfoot_dog.mp3 original:iimitaikoon english: dog	The audio should be submitted with blackfoot as the language in the database

L.L.3 T2	Enter text for multiple languages	1.Must be logged in as a Learner 2.Be on Upload audio page	1.Upload the audio file 2. Enter the original text 3. Enter the english text 4.Choose Japanese as the Audio language	audio file: Blackfoot_dog.mp3 original: 犬 english: dog	The audio should be submitted with Japanese as the language in the database
A.H.1 T1	Add/remove users	1.Must have database privileges 2. Must have Server editing privileges 3.Must have dummy account created	1.Copy Database file from the server 2.open the database and delete the dummy account 3. Reupload the database to the server	None	The user should get deleted and can no longer log in.
A.H.1 T2	Add users privileges	1.Must have database privileges 2. Must have Server editing privileges 3.Must have dummy account created as learner	1.Copy Database file from the server 2.open the database and set the dummy account to Researcher 3. Reupload the database to the server	None	The dummy user should now have researcher privileges
A.H.1 T3	Remove users privileges	1.Must have database privileges 2. Must have Server editing privileges 3.Must have dummy account created as Researcher	1.Copy Database file from the server 2.open the database and set the dummy account to learner 3. Reupload the database to the server	None	The dummy user should now have only learner privileges and no researcher privileges
A.H.2	Backup and recover the server's database and uploaded audio files	1.Gain access to the server files via Filezilla or other preferred access point. 2. Create backup of everything on the server	1.Download database files in alr_site 2.Download media files in alr_site/alr_site/media 3. remove both from the server 4. add both back to the server	Input both files back to the location grabbed immediately after deletion	The files should run properly on the server and not have any data lost.

3.5 Test Results

Functional Test Results

ID	Test Case Summary	Input Data	Expected Result	Actual Result	Tester Name & Date	Pass/Fail	Resolution
R.H.1	Upload a large audio file as a researcher account and a file that is not an audio file.	File: File Original Text: test English Text: test Language: Blackfoot	Error message displayed under file upload button saying file is too large. Or if non-audio file, error pop-up when submitting form.	Error displayed.	Kobe Sagami 4/15/2021	Pass	
R.H.5	Rate an audio file while being both logged-in and logged-out.	Rating: 7 Comment: Great	User should be able to rate the audio file from both instances.	Audio files successfully rated.	Kobe Sagami 4/15/2021	Pass	
R.H.6	Try registering new accounts with invalid emails and with various inputs that attempt to break it.	First: xxx Last: xxx Email: xxx Account Type: Researcher	User should not be able to register without a valid email address. Inputs should be validated so that SQL injection isn't possible.	Invalid emails get caught by the server. '@@gmail.com' was able to be created.	Kobe Sagami 4/15/2021	Fail	Need input validation on email field.

R.H.7	Try logging in to an authenticated account with a wrong password, the same password but with different capitalization.	Email: xxx Password: xxx	User should not be able to login without the same credentials that were inputted during registration. Anything else will prompt a login error.	Login error received for wrong email or password.	Kobe Sagami 4/15/2021	Pass	
R.H.8	Send two confirmation codes to the same email and attempt to confirm using the older confirmation. Try going to the same confirmation url twice and see if anything breaks.	N/A	Only the newest confirmation url should be active. Navigating through the confirmation url of the oldest email should yield no confirmation.	Old link didn't work. Working as intended.	Kobe Sagami 4/15/2021	Pass	
R.H.9	Complete a rating and verify that the researcher who created the link gets sent an email. Verify that other researchers aren't emailed.	Rating: 7 Comment: Great	Only the researcher who created the url should get an email.	Researcher that created the link received the email, others did not.	Kobe Sagami 4/15/2021	Pass	
R.M.1	Try creating a rating link for every audio file. Try creating one for a single audio file. Try creating one with no audio files selected.	N/A	URLs should be able to be generated for any number of audio files except. When none are selected the button should do nothing.	Works as intended.	Kobe Sagami 4/15/2021	Pass	
R.M.2	Try various inputs to try and break the registration form for demographic data.	N/A	Inputs should be scrubbed and validated.	All inputs validated without any errors returned or observed.	Kobe Sagami 4/15/2021	Pass	
R.M.3	Try registering without accepting the IRB consent form.	N/A	Error should pop-up requiring that the user accepts the consent form before they may register.	Registration halted until the user accepts the consent form.	Kobe Sagami 4/15/2021	Pass	
N.H.1	Try to submit a rating without leaving a 1-7 rating.	N/A	Error should pop-up stating that the rating field is required for submission.	Feedback submission blocked until rating is provided.	Kobe Sagami 4/15/2021	Pass	
N.H.2	Try to rate an audio file while logged out.	N/A	User should be able to submit the rating with no issues while logged out.	Audio Feedback submitted successfully.	Kobe Sagami 4/15/2021	Pass	

N.M.1	Submit ratings with no comments, and comments with various types of characters.	N/A	User should not be able to submit without any comments. Special characters should not disrupt the system.	Audio feedback blocked until comments provided.	Kobe Sagami 4/15/2021	Pass	
N.M.2	Try to submit rating without rating all the audio files in the rating link.	N/A	Error should be prompted requesting that the user fill out the required fields.	Audio feedback blocked until all comments provided.	Kobe Sagami 4/15/2021	Pass	
L.H.1	Upload a large audio file as a Learner account and a file that is not an audio file.	File: File Original Text: test English Text: test Language: Blackfoot	Error message displayed under file upload button saying file is too large. Or if non-audio file, error pop-up when submitting form.	Error displayed.	David Gereau 4/17/2021	Pass	
L.H.2 T1	Leave the original text box empty.	1.Do not input in the "original text" text box 2. input "dog" into the "English text" text box. 3.Choose "Blackfoot" as the language spoken	An alert message should occur telling the tester to fill out the original text field before allowing a submission	Upload is blocked until missing text box value is entered.	Kobe Sagami 4/15/2021	Pass	
L.H.2 T2	Try leaving English text blank	1Input "iimitaikoan" into the "original text" text box 2. Do not input anything into the "English text" text box. 3.Choose "Blackfoot" as the language spoken	An alert message should pop up not allowing the user to submit their audio without filling out the "english text" text box.	Upload is blocked until missing text box value is entered.	Kobe Sagami 4/17/2021	Pass	
L.H.2 T3	Try leaving both original text and english text blank	1 Do not input into the "original text" text box 2. Do not input anything into the "English text" text box. 3.Choose "Blackfoot" as the language spoken	An alert message should pop up for both empty text boxes not allowing the user to submit their audio.	Upload is blocked until missing text boxes values are entered.	Kobe Sagami 4/17/2021	Pass	
L.H.2 T4	try to input words in both boxes that contain (')">,<,.?/\!#\$%&.	1Input "(')">,<,.?/\!#\$%&" into the "original text" text box 2. Input "(')">,<,.?/\!#\$%&" into the "English text" text box. 3.Choose "Blackfoot" as	The text should be submitted and stored in the database NOTE: The text may not be exact in the database but should look exact when presented in View audio	Works as intended.	Kobe Sagami 4/17/2021	Pass	

		the language spoken					
L.H.2 T5	Input a large text into both text boxes approx:100 characters	1. Input "HelloGoodbyeTh hisIsSomeTextThat IsAwEird Sized wordTHat is UnlikelyToHappenUnlessWeWantSentencesToBeAllowed" into both textboxes. 2. Chose "Blackfoot" as the language spoken	The text should be added to the database without issues. NOTE: This could cause issues on View Audio	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.H.3	Learner can only see audio files uploaded by their own account	N/A	User can only see audio files uploaded by their own account	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.H.4	User type Learner account creation	first name="", last name="", email="", password="", user type="Learner"	User sent a confirmation email	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.H.5	User type Learner login	email="", password=""	User successful login	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.H.6	User type Learner account confirmation	N/A	User is displayed a page letting them know their account is confirmed	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.M.1	Listening to uploaded audio files	None	When the play button is pressed the audio should be played where the tester can hear it.	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.L.2	View comments on audio recordings	When rating file input Rating:4 Comments: This audio isn't the best.	The rater's rating and comments should appear the same as they were submitted.	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.L.3 T1	Enter text for multiple languages	audio file: Blackfoot_dog.mp3 original:iimitaik oan english: dog	The audio should be submitted with blackfoot as the language in the database	Works as intended.	Kobe Sagami 4/17/2021	Pass	
L.L.3 T2	Enter text for multiple languages	audio file: Blackfoot_dog.mp3 original: 犬 english: dog	The audio should be submitted with Japanese as the language in the database	Works as intended.	Kobe Sagami 4/17/2021	Pass	
A.H.1 T1	Add/remove users	None	The user should get deleted and can no longer log in.	Works as intended.	Kobe Sagami 4/17/2021	Pass	

A.H.1 T2	Add users privileges	None	The dummy user should now have researcher privileges	Dummy user gets researcher privileges as intended.	Kobe Sagami 4/17/2021	Pass	
A.H.1 T3	Remove users privileges	None	The dummy user should now have only learner privileges and no researcher privileges	Dummy user loses researcher privileges as intended.	Kobe Sagami 4/17/2021	Pass	
A.H.2	Backup and recover the server's database and uploaded audio files	Input both files back to the location grabbed immediately after deletion	The files should run properly on the server and not have any data lost.	Files and data work as before.	Kobe Sagami 4/17/2021	Pass	

****Test Case IDs correspond to SRS***

4. Acceptance and Approval

The team members hereby indicate by their signatures below that they have read and agreed with the specifications of this document.



24APR2021

Team Member / Date



24APR2021

Team Member / Date



24APR2021

Team Member / Date



24APR2021

Team Member / Date

XXAPR2021

Client Name / Date