Claudio Acceptance Tests v1.0.0

Traceability

Note that traceability between a test and a user story exists through the numbering in each acceptance test ID. Acceptance test 1a does thus refer to user story 1, and so forth. Each test that does not pass can thus be tracked back to a user story that has not been successfully implemented. Furthermore, each failing test will be equipped with a issue number referring to a entry in the issue tracker, which also results in traceability between a bug and a test failure as well as a bugfix and a user story.

Test specification

Acceptance test ID: 1a.
Test case description: When creating a new book, the user can navigate in and out of folders.
Precondition(s):
1. The application is running.
2. The user has chosen to add a new book.
3. The device has at least one folder that contains an audio track.

Test steps:
1. Verify that navigation in and out of folders works.

Related user story: 1

Acceptance test ID: 1b.
Test case description: When creating a new book, individual tracks can be selected.
Precondition(s):
1. The application is running.
2. The user has chosen to add a new book.
3. The device has at least one folder that contains an audio track.

Test steps:
1. Navigate into a folder containing audio tracks.
2. Select individual tracks by checking the checkboxes next to them.
3. Select "Create book".
4. Verify that the created book contains all tracks that were selected.

Related user story: 1

Acceptance test ID: 1c.
Test case description: When creating a new book, whole folders containing tracks can be selected.
Precondition(s):
1. The application is running.
2. The user has chosen to add a new book.
3. The device has at least one folder that contains an audio track.

Test steps:
1. Select folders containing audio tracks by checking the checkboxes next to them.
2. Select "Create book".
3. Verify that the created book contains all tracks contained in the folders that were selected.

Related user story: 1

Acceptance test ID: 2a.
Test case description: All created books are presented to the user in a list.
Precondition(s):
  1. The application is running.
Test steps:
  1. Add a number of books to the bookshelf.
  2. Verify that the bookshelf list contains all the books created by the user.
Related user story: 2

Acceptance test ID: 2b.
Test case description: If there are more books that can fit the screen, the system will provide capability to scroll the list.
Precondition(s):
  1. The application is running.
  2. The user has created more books than fit in the book list.
Test steps:
  1. Verify that the list of books is scrollable.
Related user story: 2

Acceptance test ID: 3a.
Test case description: The user can choose to switch to another book.
Precondition(s):
  1. The application is running.
  2. The user has created at least two books.
  3. These two books are present in the bookshelf.
Test steps:
  1. Select one of the books to play.
  2. While the book is playing, select a second book to play.
  3. Verify that the second book starts playing.
Related user story: 3

Acceptance test ID: 3b.
Test case description: When choosing to switch to another book, the new book starts playing without any significant delay.
Precondition(s):
  1. The application is running.
  2. A book is currently playing.
  3. These two books are present in the bookshelf.
Test steps:
  1. Select another book to play.
  3. Verify that the second book starts playing without any significant delay.
Related user story: 3

Acceptance test ID: 4a.
Test case description: Updates are only received upon explicit requests by the user.

Precondition(s):
  1. The user's bookshelf contains at least one book.
  2. A newer version of the user's bookshelf is available from the cloud service.
Test steps:
  1. Start the application.
  2. Verify that no update is applied to the bookshelf automatically.
Related user story: 4

Acceptance test ID: 4b.
Test case description: Updates can be requested by the user.
Precondition(s):
  1. The application is running.
  2. The user's bookshelf contains at least one book.
  3. A newer version of the user's bookshelf is available from the cloud service.
Test steps:
  1. Verify that the application system provides a way for user's to request updates.
Related user story: 4

Acceptance test ID: 4c.
Test case description: Upon requesting an update, the user's bookshelf is updated with the most recent version of the bookshelf.
Precondition(s):
  1. The application is running.
  2. The user's bookshelf contains at least one book.
  3. A newer version of the user's bookshelf is available from the cloud service.
Test steps:
  1. Request an update.
  2. Verify that the bookshelf is updated when the update is applied.
Related user story: 4

Acceptance test ID: 4d.
Test case description: If the user is currently playing a book that is affected by the update, playback skips to the point specified in the new data as soon as the update has finished.
Precondition(s):
  1. The application is running.
  2. The user is currently playing a book.
  3. The cloud service contains an update which includes newer session data for the currently playing
   book.
Test steps:
  1. Request an update.
  2. Verify that the playback skips to the point specified in the update when the update is applied.
Related user story: 4

Acceptance test ID: 4e.

Test case description: If the user is currently playing a book that is not affected by the update, playback should not be affected.
Precondition(s):
      1. The application is running.
      2. The user is currently playing a book.
      3. The user is currently playing a book. The cloud service contains an update which does not
         include newer session data for the currently playing book.
Test steps:
      1. Request an update.
      2. Verify that the playback of the currently playing book is not affected when the update is
applied.
Related user story: 4

Acceptance test ID: 5a.
Test case description: All the user's books are present in the bookshelf upon restarting the application.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
Test steps:
      1. Close and restart the application.
      2. Verify that the books are still present in the bookshelf.
Related user story: 5

Acceptance test ID: 6a.
Test case description: When resuming a book, playback continues from where the user left off.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
Test steps:
      1. Select a book to play.
      2. Close and restart the application.
      3. Choose the same book to play.
      4. Verify that playback continues from where we left off.
Related user story: 6

Acceptance test ID: 7a.
Test case description: Play an audio file imported from the file system.
Precondition(s):
      1. The application is running.
      2. The device's storage contains at least one audio file supported by the application.
Test steps:
      1. Select the audio file.
      2. Verify that the audio track starts playing.
Related user story: 7

Acceptance test ID: 8a.
Test case description: The user can register an account by providing an account name and a password.
Precondition(s):

1. The application is installed and ready to run.

Test steps:
1. Start the application.
2. Choose to register a new account.
3. Enter an account name and a password.
4. Verify that the account is created.

Related user story: 8

Acceptance test ID: 8b.
Test case description: When creating a new account, the chosen password must be entered twice to confirm the selection.
Precondition(s):
1. The application is running.
2. The user has chosen to create a new account.
Test steps:
1. Verify that the password must be entered twice to create a new account.
Related user story: 8

Acceptance test ID: 8c.
Test case description: When creating an account, if the entered passwords do not match the system will notify the user of this and allow the user to try again.
Precondition(s):
1. The application is running.
2. The user has chosen to create a new account.
Test steps:
1. Verify that the entered passwords must match in order to create a new account.
Related user story: 8

Acceptance test ID: 8d.
Test case description: When creating an account, if the entered passwords do not match the system will notify the user of this and allow the user to try again.
Precondition(s):
1. The application is running.
2. The user has chosen to create a new account.
Test steps:
1. Verify that a notification is received if the entered passwords do not match.
2. Also verify that the user is given possibility to retry the account submission.
Related user story: 8

Acceptance test ID: 8e.
Test case description: When creating an account, if the provided username is already in use the system will notify the user of this and allow the user to try again.
Precondition(s):
1. The application is running.

2. The user has chosen to create a new account.

3. The system contains a registered username.

Test steps:

1. Enter a username that is already registered with the system.

2. Proceed by filling in the other required fields, and submit the registration.

3. Verify that a notification is received that indicates that the selected username is already taken.

4. Verify that we are brought back to the registration interface and are allowed to retry our registration submission.

Related user story: 8

Acceptance test ID: 8f.

Test case description: When creating an account, the user is notified if the account creation is successful.

Precondition(s):

1. The application is running.

2. The user has chosen to create a new account.

Test steps:

1. Fill in the required fields of the registration form with valid data.

2. Submit the registration.

3. Verify that a notification is received that indicates that the registration was successful.

Related user story: 8

Acceptance test ID: 9a.

Test case description: When attempting to login to a user account, the user is notified if the provided account credentials do not match any entry in the server database, and is asked to retry.

Precondition(s):

1. The application is installed and ready to run.

Test steps:

1. Start the application.

2. Enter account credentials that do not match any previously created account.

3. Verify that a notification is received and that the user is allowed to retry.

Related user story: 9

Acceptance test ID: 9b.

Test case description: When attempting to login to a user account, if the entered account credentials are correct the user is notified with a message indicating a successful login.

Precondition(s):

1. The application is installed and ready to run.

2. The user has previously registered a user account.

Test steps:

1. Start the application.

2. Enter account credentials that match those of a previously created account.

3. Verify that a notification is received and that we are presented the account's bookshelf.

Related user story: 9

Acceptance test ID: 9c.

Test case description: Upon successfully logging in to a user account, the system restores the bookshelf that is bound to the account (if any).
Precondition(s):
      1. The application is running.
      2. The user has previously registered a user account.
Test steps:
      1. Log in to an existing user account.
      2. Verify that all previously created books in this account are restored into the bookshelf.
      3. Verify that a notification is received that indicates a successful login.
Related user story: 9

Acceptance test ID: 10a.
Test case description: The system provides controls that correspond to play/pause, skip and seek.
Precondition(s):
      1. The application is running.
      2. The user has selected a book to play.
Test steps:
      1. Verify that controls that correspond to play/pause, skip and seek are available.
Related user story: 10

Acceptance test ID: 10b.
Test case description: Seek controls change the elapsed time of the track by static increments.
Precondition(s):
      1. The application is running.
      2. The user has selected a book to play.
Test steps:
      1. Use both of the seek controls.
      2. Verify that the elapsed time of the currently playing track is changed by static increments/decrements.
Related user story: 10

Acceptance test ID: 10c.
Test case description: The play/pause controls pause and play the audio accordingly and without significant delay.
Precondition(s):
      1. The application is running.
      2. The user has selected a book to play.
Test steps:
      1. Use the play/pause controls.
      2. Verify that audio playback alternates between paused and playing and that this occurs without any significant delay.
Related user story: 10

Acceptance test ID: 10d.
Test case description: The skip controls make the playback skip to the next or previous track when used.
Precondition(s):
      1. The application is running.

2. The user has selected a book to play.
Test steps:
     1. Use the skip controls.
     2. Verify that the playback skips to next/previous track in the currently playing book.
Related user story: 10

Acceptance test ID: 11a.
Test case description: The system provides an interactive progress bar that can be used to seek in the currently playing audio track.
Precondition(s):
     1. The application is running.
     2. The user has selected a book to play.
Test steps:
     1. Use the seekbar.
     2. Verify that the playback of the track seeks accordingly and without significant delay.
Related user story: 11

Acceptance test ID: 12a.
Test case description: While receiving a phone call or a system notification, playback of the audio pauses.
Precondition(s):
     1. The application is running.
     2. A book is currently playing.
Test steps:
     1. Receive a phone call or a system notification.
     2. Verify that the playback of the book pauses during the call or notification.
Related user story: 12

Acceptance test ID: 12b.
Test case description: After receiving the system notification or when a phone call has ended, playback of the audio continues.
Precondition(s):
     1. The application is running.
     2. Playback of a book has been paused due to a incoming phone call or a system notification.
Test steps:
     1. Verify that the playback of the book continues after the notification or when the call is ended.
Related user story: 12

Acceptance test ID: 13a.
Test case description: Upon switching to another application or task while playing a book, playback continues accordingly.
Precondition(s):
     1. The application is running.

2. A book is currently playing.

Test steps:
      1. Switch to another task or application.
      2. Verify that the playback of the book continues without disruption.

Related user story: 13

Acceptance test ID: 14a.
Test case description: While playing a book, the system displays information such as author, track name and elapsed time.
Precondition(s):
      1. The application is running.
      2. A book is currently playing.
Test steps:
      1. Verify that information such as author, track name and elapsed time is shown.

Related user story: 14

Acceptance test ID: 15a.
Test case description: The system provides an interactive progress bar that can be used to seek in the currently playing book.
Precondition(s):
      1. The application is running.
      2. A book is currently playing.
Test steps:
      1. Use the seekbar.
      2. Verify that playback of the book seeks accordingly and without any significant delay.

Related user story: 15

Acceptance test ID: 16a.
Test case description: The system provides functionality to change the order of tracks in a book.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book with at least two tracks.
Test steps:
      1. Expand the book that is to be edited.
      2. Verify that the system provides functionality for editing the order of tracks in the book.

Related user story: 16

Acceptance test ID: 16b.
Test case description: The system provides functionality to change the order of tracks in a book.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book with at least two tracks.
      3. The book is currently playing.

Test steps:
      1. Change the order of tracks in a book.
      2. Verify that the new order of tracks is applied.
Related user story: 16

Acceptance test ID: 17a.
Test case description: The user has the ability to choose to upload a specific book to the cloud service.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
Test steps:
      1. Verify that the system offers the option to upload books to the cloud service.
Related user story: 17

Acceptance test ID: 17b.
Test case description: Uploading a book to the cloud service does not prevent the user from listening to it at the same time.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
      3. The user is logged in on a personal user account.
      4. The device has access to the cloud service.
Test steps:
      1. Start listening to a book.
      2. While the book is playing, choose to upload it to the cloud service.
      3. Verify that playback is not affected while the book is uploading.
Related user story: 17

Acceptance test ID: 17c.
Test case description: While uploading a book to the cloud service, the system provides information about the progress of the upload.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
      3. The user is logged in on a personal user account.
      4. The device has access to the cloud service.
Test steps:
      1. Select a book to upload to the cloud service.
      2. While the book is uploading, verify that the system provides information about the progress of the
         upload.
Related user story: 17

Acceptance test ID: 17d.
Test case description: While uploading a book to the cloud service, the system provides information about the progress of the upload.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
      3. The user is logged in on a personal user account.
      4. The device has access to the cloud service.
Test steps:
      1. Select a book to upload to the cloud service.
      2. While the book is uploading, verify that the system provides information about the progress of the
         upload.
Related user story: 17

Acceptance test ID: 18a.
Test case description: Books available in the cloud service are present in the users bookshelf.
Precondition(s):
      1. The application is running.
      2. The user is logged in to a personal user account.
      3. The device is connected to the cloud service.
      4. The user has stored at least one book in the cloud service storage.
Test steps:
      1. Verify that all books stored in the cloud storage are shown in the user's bookshelf.
Related user story: 18

Acceptance test ID: 19a.
Test case description: The system provides functionality for deleting books.
Precondition(s):
      1. The application is running.
      2. The user's bookshelf contains at least one book.
Test steps:
      1. Verify that the user can choose to delete books.
Related user story: 19

Acceptance test ID: 19b.
Test case description: Deleted books are removed from the user's bookshelf.
Precondition(s):

1. The application is running.
2. The user's bookshelf contains at least one book.

Test steps:
1. Choose to delete a book.
2. Verify that the deleted book is removed from the user's bookshelf.

Related user story: 19

Acceptance test ID: 20a.
Test case description: The system provides functionality for changing the name of books.
Precondition(s):
1. The application is running.
2. The user's bookshelf contains at least one book.

Test steps:
1. Verify that the user can rename a book in the bookshelf.

Related user story: 20

Acceptance test ID: 21a.
Test case description: The system provides the user with the ability to log out from their account.
Precondition(s):
1. The application is running.
2. The user is currently logged in to a personal user account.

Test steps:
1. Verify that users can choose to log out from their account.

Related user story: 21

Acceptance test ID: 21b.
Test case description: Upon logging out, the playback is stopped and the user is brought to the login interface.
Precondition(s):
1. The application is running.
2. A book is currently playing.
3. The user is currently logged in to a personal user account.

Test steps:
1. Choose to log out from the account.
2. Verify that playback of the book stops and that the user is brought back to the login interface.

Related user story: 21

Acceptance test ID: 22a.
Test case description: The system provides the user with the ability to change the account password.
Precondition(s):
1. The application is running.
2. The user is currently logged in to a personal user account.

Test steps:
1. Choose to edit account details.
2. Verify that the user can choose to change the account password.

Related user story: 22

Acceptance test ID: 22b.
Test case description: The user is asked to re-enter the current password before allowing a password change.
Precondition(s):
      1. The application is running.
      2. The user is currently logged in to a personal user account.
Test steps:
      1. Choose to edit account details.
      2. Verify that the in order to change the account password, the user has to re-enter the current password first.
Related user story: 22

Acceptance test ID: 22c.
Test case description: When changing the account password, the user must enter the new password twice to confirm.
Precondition(s):
      1. The application is running.
      2. The user is currently logged in to a personal user account.
Test steps:
      1. Choose to edit account details.
      2. Verify that the in order to change the account password, the user has to enter the new password twice.
Related user story: 22

Acceptance test ID: 23a.
Test case description: The system provides functionality for chosing a time point to seek to within the book.
Precondition(s):
      1. The application is running.
      2. A book is currently playing.
Test steps:
      1. Verify that the system provides a function through which users can choose a time point to seek to within the book..
Related user story: 23

Acceptance test ID: 24a.
Test case description: The system provides functionality for users to access play/pause from the status bar on the device.
Precondition(s):

1. The application is running.
2. A book is currently playing.

Test steps:

1. Verify that playback controls such as play/pause can be accessed through the status bar on the device.

Related user story: 24

Acceptance test ID: 24b.
Test case description: The system provides functionality for users to view playback-related information in the status bar on the device.
Precondition(s):

1. The application is running.
2. A book is currently playing.

Test steps:

1. Verify that information such as elapsed time, current track etc. can be viewed in the status bar on the device.

Related user story: 24

Acceptance test ID: 25a.
Test case description: The system provides functionality for users to access play/pause from a widget on the device's home screen.
Precondition(s):

1. The application is running.
2. A book is currently playing.

Test steps:

1. Switch to the home screen where the application's widget is located.
2. Verify that playback controls such as play/pause can be accessed directly through the widget.

Related user story: 25

Acceptance test ID: 25b.
Test case description: The system displays playback-related information in in a widget on the device's home screen.
Precondition(s):

1. The application is running.
2. A book is currently playing.

Test steps:

1. Switch to the home screen where the application's widget is located.
2. Verify that information such as elapsed time, current track etc. is shown directly in the widget.

Related user story: 25

Acceptance test ID: 26a.
Test case description: The user can choose to quit the application.
Precondition(s):

1. The application is running.

Test steps:

1. Verify that the system provides a way for users to quit the application directly.

Related user story: 25