**Guitar Studio Use Cases**

**Case:**  User selects “Record” from the main screen (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to navigate to another feature on the app

**Precondition:** User has downloaded and opened the app

**Main Success Scenario:**

1. User presses the “Record” button
2. User is taken to the Record screen

**Extensions:**

1a. User instead closes the app by pressing the “home” button.

1a.1 The app closes.

1b. User instead selects a different feature.

1b.1 The user is taken to the selected feature.

**Case:** User selects “Choose file” from the home screen (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User goal

**Stakeholders and interests:** User: Wants to choose a file saved on the phone

**Precondition:** The user has downloaded the app and opened it.

**Main Success Scenario:**

1. The user presses the “Choose file” button.
2. The user is presented with a menu with the following options:
   1. Device gallery
   2. Take new picture
   3. Documents
   4. Recordings
3. The user selects their option of the four listed above
4. The user is taken to the respective screen

**Extensions:**

1a. User instead closes the app by pressing the “home” button.

1a.1 The app closes.

1b. User instead selects a different feature.

1b.1 The user is taken to the selected feature.

3a. The user clicks off of the menu.

3a.1 The menu closes.

3a.2 The user is returned to the home screen.

**Case:** User selects the help button from the main screen (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to navigate to another feature on the app

**Precondition:** User has downloaded and opened the app

**Main Success Scenario:**

1. The User presses the help button.
2. The user is brought to the help screen.
   1. The help screen provides information about how to use that part of the app.

**Extensions:**

1a. The user closes the app by pressing the “Home” button.

1a.1 The app closes.

1b. The user selects a different feature of the app.

1b.1 The user is brought to whatever feature they pressed.

**Case:**  User selects the “Options” button (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to navigate to another feature on the app

**Precondition:** User has downloaded and opened the app

**Main Success Scenario:**

1. User presses the “Options” button.
2. The User is brought to the Options menu.

**Extensions:**

1a. The user closes the app by pressing the “Home” button.

1a.1 The app closes.

1b. The user selects a different feature of the app.

1b.1 The user is brought to whatever feature they pressed.

**Case:** User selects “Manage Files” from the Options screen. (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to navigate to another feature on the app

**Precondition:**

1. User has downloaded and opened the app.
2. User is in the Options screen, selected from the home screen.

**Main Success Scenario:**

1. User presses the “Manage Files”.
2. The User is brought to the Manage Files screen.

**Extensions:**

1a. The user closes the app by pressing the “Home” button.

1a.1 The app closes.

**Case:** User deletes files in the “Manage Files” screen. (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to delete one or more files from the app.

**Precondition:** The user is in the “Manage Files” screen, selected from the Options menu.

**Main Success Scenario:**

1. The user finds the file they want to delete.
2. The user presses the delete button.
3. A prompt appears asking the user “Are you sure you want to delete this file?”
4. The User selects “Yes”.
5. The file is deleted from memory.
6. The user is returned to the “Manage Files” screen.

**Extensions:**

1a. The user closes the app by pressing the “Home” button.

1a.1 The app closes.

1b. The user has no files in memory.

1b.1 The user cannot select any file so remains on the “Manage Files” screen until the “Back” button is pressed.

4a. The user selects the “No” button.

4a.1 The user is returned to step 1.

**Case:** User presses the “Back” button (By Marcus Kelly)

**Primary actor:** User

**Scope:** Main screen of the app

**Level:** User Goal

**Stakeholders and interests:** User: wants to return to the previous screen they were on.

**Precondition:** The user is on a screen with a “Back” button. (Any screen that is not the home screen or the “Converting” screen.)

**Main Success Scenario:**

1. The User presses the “Back” button.
2. The user is returned to the screen they were on previously.

**Extensions:**

1a. The user closes the app by pressing the “Home” button.

1a.1 The app closes.

**Case:** User selects “Change the key” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to change the key of a song

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User chooses “Change a Songs Key”
2. User chooses the song file from the phone’s internal/external storage
3. User selects the key from a list and selects convert
4. User is shown the converted file with the key changes made
5. User stays on screen until finished
6. User is asked if they want to save the changes made to the file and does
7. User clicks the return button and is taken to the home screen

**Extensions:**

2a. User doesn’t have any files in storage

2a1. User is taken to the first feature of the application

3a. Key conversation fails

3a1. User is taken back to step 1 and informed the key conversion failed

6a. User decides not to save the changes to the songs key

6a1. User is taken to back to step

**Case:** User selects “Convert to tab” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to convert a file into Tablature

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User chooses “Convert”
2. User prompted to make sure they want to convert the file and chooses yes
3. User is shown the converted file
4. User stays on screen until finished
5. User is asked if they want to save the changes made to the file and does
6. User clicks the return button and is taken to the home screen

**Extensions:**

2a. User chooses No

2a1. User is taken to the home screen

3a. Conversion fails

3a1. User is taken back to step 1 and informed the key conversion failed

5a. User decides not to save the changes to the songs key

5a1. User is taken to back to the home screen

**Case:** User selects “Convert to MusicXML” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to convert a file into MusicXML

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User chooses “Convert”
2. User prompted to make sure they want to convert the file and chooses yes
3. User is asked if they want to save the changes made to the file and does
4. User clicks the return button to return to the home screen in the application

**Extensions:**

2a. User chooses No

2a1. User is taken to the home screen

2b. Conversion fails

2b1. User is taken back to step 1 and informed the MusicXML conversion failed

3a. User decides not to save the changes to the original file

3a1. User is taken to back to the home screen

**Case:** User selects “Devices Documents” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to choose a file from the documents folder

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User selects a file from the list of the phone’s internal documents folder
2. User selects a file from the list
3. User hits the back button and is taken back to the home screen

**Extensions:**

1a. User has no valid files in the documents folder

2a1. User is sent an error and taken to the home screen of the app

2a. User selects a MusicXML file from the list

2a1. User chooses “Convert” and is taken to Use Case “Convert to tab”

2b. User selects a tab file

2b1. User chooses “Change Key” and is taken to the Use Case “Change the key”

**Case:** User selects “Devices Gallery” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

**User:** Wants to choose a file from the gallery

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User selects a file from the list of the phone’s internal gallery files
2. User selects a file from the list
3. User hits the back button and is taken back to the home screen

**Extensions:**

1a. User has no valid files in the phone’s internal gallery

1a1. User is sent an error and taken to the home screen of the app

1b. User uses the phones camera to take a picture of sheet music

1b1. User is taken to Use Case “Convert to MusicXML”

1b2. User is taken back to step 1

2a. User selects a MusicXML file from the list

2a1. User chooses “Convert” and is taken to Use Case “Convert to tab”

2b. User selects a tab file

2b1. User chooses “Change Key” and is taken to the Use Case “Change the key”

**Case:** User selects “Devices Recordings” (By Logan Bailey)

**Primary Actor:** User

**Scope:** Second feature of Application

**Level:** User Goal

**Stakeholders and Interests:**

**User:** Wants to choose a file from the recording folder

**Precondition:** User has completed Use Case “Choose file”

**Main Success Scenario:**

1. User selects a file from the list of the phone’s internal recordings folder
2. User selects a file from the list
3. User selects the “Convert” button
4. User hits the back button and is taken back to the home screen

**Extensions:**

1a. User has no valid files in the phone’s recordings folder

1a1. User is sent an error and taken to the home screen of the app

1b. User selects the record button

1b1. User is taken to Use Case “Record”

1b2. User is taken back to step 1

2a. User selects the “Convert to Tab” button

2a1. User is taken to Use Case “Convert to Tab”

2b. User selects the “Convert to MusicXML”

2b1. User is taken to the Use Case “Convert to MusicXML”

**Case:** User Chooses Options in Record Screen (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to record a piece of music

**Precondition:** User has selected record in use case User selects “Record” from the main screen

**Main Success Scenario:**

1. User chooses “RECORD,” “OPTIONS,” “HELP,” or “BACK”

**Extensions:**

1a. User instead chooses the back arrow and is taken to step one of User selects “Record” from the main screen

1b. User instead presses the “BACK” button

1b1. User is then taken back to step 1 of User selects “Record” from the main screen

1c. User instead selects “HELP” button

1c1. User reads the help information before closing the help screen and returning to step 1

**Case:** User Records Audio until Satisfied (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to record a piece of music

**Precondition:** User has selected “RECORD” in use case User Chooses Options in Record Screen

**Main Success Scenario:**

1. User plays guitar until satisfied

2. User pushes the “STOP” button

**Case:** User Decides What to Do with Recorded Audio (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to do something with the audio they have recorded

**Precondition:** User has recorded themselves playing guitar and selected “STOP” in use case User Records Audio Until Satisfied

**Main Success Scenario:**

1. User chooses “EDIT,” “OPTIONS,” “SAVE,” “DELETE,” or “PLAY”

**Extensions:**

1a. User instead chooses the back arrow and is taken to step one of User Chooser Options in Record Screen

1b. User instead selects “HELP” button

1b1. User reads the help information before closing the help screen and returning to step 1

**Case:** User Deletes Recorded Audio (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to delete the recording they just played

**Precondition:** User has chosen “DELETE” in use case User Decides What to Do with Recorded Audio

**Main Success Scenario:**

1. User chooses “YES” when asked if they wish to delete the recording

**Extensions:**

1a. User instead chooses “NO” and is taken to step one of User Decides What to Do with Recorded Audio

**Case:** User Selects What Section of Audio to Edit (By Phil Daniels)

**Primary Actor:** User

**Scope:** Audio Selection Screen of the Record Feature of the Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to select a portion of their audio recording to edit

**Precondition:** User has chosen “EDIT” in use case User Decides What to Do with Recorded Audio

**Main Success Scenario:**

1. User moves start and stop point around for the section they wish to edit

2. User selects “FINISHED SELECTION”

**Extensions:**

1a. User instead chooses “CANCEL” or the “BACK” button and is taken to step one of User Decides What to Do with Recorded Audio

1b. User selects the HELP button

1b1. User reads the help information before closing the help screen and returning to step 1

**Case:** User Edits Audio (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of the Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to edit the recording they just played

**Precondition:** User has chosen “FINISHED SELECTION” in use case User Selects What Section of Audio to Edit

**Main Success Scenario:**

1. User selects “DELETE SELECTION”

2. User chooses “YES” and deletes the portion of the audio they want to remove

3. User is taken back to step 1 of User Selects What Section of Audio to Edit

**Extensions:**

1a. User instead chooses “PLAY BACK” stead

1a1. User is played back the selected audio then taken back to step 1

1b. User instead chooses “CANCEL” or the “BACK” button and is taken to step one of User Selects What Section of Audio to Edit

1c. User instead selects “HELP” button

1c1. User reads the help information before closing the help screen and returning to step 1

2a. User instead chooses “NO”

2a1. User is taken back to step 1

**Case:** User Plays Recorded Audio (By Phil Daniels)

**Primary Actor:** User

**Scope:**  Record Screen of the Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to hear the recording they just played

**Precondition:** User has chosen “PLAY” in use case User Decides What to Do with Recorded Audio

**Main Success Scenario:**

1. User listens to the entirety of their recorded audio

2. User is taken back to step 1 of User Decides What to Do with Recorded Audio

**Extensions:**

1a. User instead presses the “STOP” button

1a1. Audio playback stops and the user is then taken back to step 1 of User Decides What to Do with Recorded Audio

**Case:** User Saves Recorded Audio (By Phil Daniels)

**Primary Actor:** User

**Scope:** Record Screen of the Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to save the recording they just played

**Precondition:** User has chosen “SAVE” in use case User Decides What to Do with Recorded Audio

**Main Success Scenario:**

1. User gives a name to the audio file

2. User selects “SAVE” and is taken back to step 1 of User selects “Record” from the main screen

**Extensions:**

1a. User instead presses the “BACK” button

1a1. User is then taken back to step 1 of User Decides What to Do with Recorded Audio

1b. User instead chooses “SETTINGS” icon and is taken to use case User Manages Saved Files

1c. User instead selects “HELP” button

1c1. User reads the help information before closing the help screen and returning to step 1

**Case:** User Manages Saved Files (By Phil Daniels)

**Primary Actor:** User

**Scope:** File List Screen of Application

**Level:** User Goal

**Stakeholders and Interests:**

User: Wants to save the recording they just played

**Precondition:** User has chosen “SETTINGS” icon in use case User Saves Recorded Audio

**Main Success Scenario:**

1. User chooses “Manage Saved Files”

2. User selects the files which they wish to delete and deletes them

**Extensions:**

1a. User instead presses the “BACK” button

1a1. User is then taken back to step 1 of User Decides What to Do with Recorded Audio

1b. User instead selects “HELP” button

1b1. User reads the help information before closing the help screen and returning to step 1

2a. User instead presses the “BACK” button

2a1. User is then taken back to step 1

2b. User instead selects “HELP” button

2b1. User reads the help information before closing the help screen and returning to step 2