Account

createAccount(emailAddress, password, securityQuestion)

Create user object

Set email to emailAddress

If (password contains at least one symbol and number)

    Set password to password

Else

    "Password must contain at least one symbol and number"

Set security question to securityQuestion

Return user

viewProfile(profile)

Display profile menu

viewRecordings(recordings)

Display recordings menu

viewSheetMusic(sheetMusic)

Display sheet music menu

changePassword(password, securityQuestion)

Get password

Get security question

If (password and security question are correct)

    Get password

    Set password to password

    "Your password has been changed"

Else

    "Incorrect password and/or question answer"

deleteAccount(boolean)

Display "This action cannot be reversed, are you sure you want to continue?"

If (confirm yes)

    Delete user object and all related information

Else

    Cancel method

Profile

createProfile(username, location, instruments, skillLevel, picture,

uniqueCode)

Create profile object

Set username to username

Display instrument selection

Set played instruments to instruments

Set unique code to uniqueCode

Return profile

displayProfile(username, location, instruments, skillLevel, picture, friends,

uniqueCode)

Display the profile

addFriend(uniqueCode)

Send friend request to profile with entered code

If (user accepted request)

    Add to friends list

Else

    "User declined friend request"

removeFriend(friends)

Remove selected friend from friends list

changeUsername(username)

Get username

If (username passes profanity filter)

  Set username

  Username changed

Else

  "No profanity in the username please"

changeLocation(location)

Get location

Set location to location

changeInstruments(instruments)

Display instrument selection box

Get instruments

Set instruments to instruments

changeskillLevel(skillLevel)

Get skillLevel

Set skill level to skillLevel

changePicture(picture)

Get picture

Display picture

Set profile picture to picture

deleteProfile(boolean)

Display "This will set all information back to default, are you sure you want

to continue?"

If (confirm yes)

      Set all information related to profile object to default values

Else

      Cancel method

Jam Session

startRandomJam(instruments)

Filter out users using exact same instrument

Start random jam session with 1 other user

endRandomJam()

End current random jam session

If (recording active)

      call endRecording() method

startPrivateJam(friendList)

Start private jam session

Display friend list to invite friends

endPrivateJam()

Leave current jam session

If (recording active)

      call endRecording() method

startRecording()

Create temporary recording file

Start recording

endRecording(recordings)

Call the createFile() method in the Recordings class

Stop recording

changeFormat(videoFormat)

Set format to videoFormat

changeQuality(videoQuality)

Set resolution to videoQuality

viewOptions(optionsList)

Displays the options menu

Recordings

createFile(fileName)

Create video file

Return recording

playFile(videoFiles, videoSlider)

Start playing selected recording

renameFile(fileName)

Set file name

searchFile(fileName)

Search for recording with name entered

If (matching name found)

      Display file

Else

      "Recording not found with the name [entered name]"

fastForward(videoSlider)

Set video forward by 3 seconds

rewind(videoSlider)

Set video back by 3 seconds

moveSlider(videoSlider)

Set video to where slider is dragged

pauseResumeRecording(boolean)

If (video currently playing)

      Pause video

Else

      Resume video

deleteFile(boolean)

Display "This action cannot be reversed, are you sure you want to continue?"

If (confirm yes)

      Deletes selected video file(s)

Else

      Cancel method

Sheet Music

purchaseSheets()

If (payment info entered correctly)

      Add sheet to Sheets list

Else

      "Payment info entered incorrectly"

searchSheet(title, length, composer, dateCreated)

Display input box

Search for sheet with entered data

If (matching data found)

    Display sheet(s) with matching data

Else

    "Sheet not found"

filterSheets(title, length, composer, dateCreated)

Display list of filters

Set filter to selected data

viewSheets(sheets)

Get sheets

Display selected sheet

deleteSheet(boolean)

Display "This action cannot be reversed, are you sure you want to continue?"

If (confirm yes)

    Delete selected sheet(s) from account

Else

    Cancel method