TEMPLATE (to be deleted)

ID Number: 1114401

Functionality Type: Functional, Non-functional or Constraints

Description:

Rationale:

Fit Criterion: (a measurable/testable condition to know if the product meets this requirement)

Priority:

Dependencies (the ID of any requirement that must be completed before this requirement if any.)

Requirements Document

ID Number: 1114401

Functionality Type: Functional

Description: The product should be able to change the pitch of the user’s song to be lower or higher

Rationale: For the song to be able to fit the user’s needs of tone.

Fit Criterion: The pitch of a song can be changed.

Priority: 2

Dependencies: 1114402

ID Number: 1114402

Functionality Type: Functional

Description: The product should be able to access all of the user’s songs.

Rationale: To make sure all the user’s music is available to be changed.

Fit Criterion: The app should have a list of the user’s songs

Priority: 1

Dependencies: N/A

ID Number: 1114403

Functionality Type: Functional

Description: The product should be able to see the information from each song and edit it.

Rationale: To enable regular music app functions to the user.

Fit Criterion: There should be information in every song in an about panel.

Priority: 2

Dependencies: 1114402

ID Number: 1114404

Functionality Type: Functional

Description: The user should be able to clip the song at any length with whatever pitch is set with the product.

Rationale: To allow the user to edit and save music.

Fit Criterion: A song should be able to be clipped and downloaded.

Priority: 3

Dependencies: N/A

ID Number: 1114405

Functionality Type: Functional

Description: The product should enable the user to download altered pitches of the entire song to their playlist.

Rationale: To allow the user to change the entire song.

Fit Criterion: A song should be able to be downloaded with the altered pitch.

Priority: 3

Dependencies: 1114401

ID Number: 1114406

Functionality Type: Non-Functional

Description: The Product should have an easy to use layout.

Rationale: For user ease of use.

Fit Criterion: The buttons should be easy to understand to anyone once the app is opened.

Priority: 4

Dependencies: N/A

ID Number: 1114407

Functionality Type: Non-Functional

Description: The product should have a light mode and dark mode variant

Rationale: To reduce strain on user’s eyes if needed.

Fit Criterion: The app should have lighter and darker background options in settings and change depending on which one its set to.

Priority: 4

Dependencies: N/A

ID Number: 1114408

Functionality Type: Functional

Description: Have a help button on the product to give information on how to use it and descriptions on each button

Rationale: For user ease of use.

Fit Criterion: A setting menu should have a help function and display more information once clicked.

Priority: 5

Dependencies: N/A

ID Number: 1114409

Functionality Type: Functional

Description: The product should play the music in order, random and repeat based on user needs.

Rationale: To function like a music player for the user in place of the default.

Fit Criterion: The product should have buttons for music looping like a regular music player.

Priority: 2

Dependencies: N/A

ID Number: 1114410

Functionality Type: Non-Functional

Description: The user should be able to change the themes general colors for personalization.

Rationale: To give the user more freedom for the appearance.

Fit Criterion: The user should have a setting button for the theme with several colors available.

Priority: 4

Dependencies: N/A

ID Number: 1114411

Functionality Type: Functional

Description: The product will be made into an app and be available on android devices.

Rationale: For user accessibility.

Fit Criterion: The app should be visible on google play.

Priority: 5

Dependencies: N/A

ID Number: 1114412

Functionality Type: Non-Functional

Description: The app should have a defining logo to make it easy to notice in the app store.

Rationale: For user convenience.

Fit Criterion: The app should show a logo with it on the app store and on the phone list of apps.

Priority: 6

Dependencies: 1114411

ID Number: 1114413

Functionality Type: Functional

Description: The app should track user downloads and progress of current downloads.

Rationale: For user accessibility.

Fit Criterion: The app should show a list of downloads from the app itself in settings.

Priority: 7

Dependencies: N/A

ID Number: 1114414

Functionality Type: Functional

Description: The app should be updated to work with every phone update.

Rationale: For continued support with the user’s device.

Fit Criterion: The user should have log updates listed in info in the app settings to see how up to date it is.

Priority: 9

Dependencies: 1114413

ID Number: 1114415

Functionality Type: Non-Functional

Description: The app should constantly download music at the same rate and type.

Rationale: For user reliability in speed during downloads.

Fit Criterion: the app should display the download and show the same speed for multiple songs.

Priority: 8

Dependencies: N/A

ID Number: 1114416

Functionality Type: Non-Functional

Description: User should get to see information of the song they want to download with every edit visible before making sure they are ready to download it.

Rationale: For ease of user use and to help stop accidental downloads.

Fit Criterion: The user should see a menu pop up when wanting to download with information and be able to edit it.

Priority: 3

Dependencies: N/A

ID Number: 1114417

Functionality Type: Non-Functional

Description: The switch for pitch change should be a scale with set values on either side of the scale.

Rationale: To give the user a wide amount of leeway in the pitch range to change to.

Fit Criterion: The scale should be visible and be able to be moved by the user.

Priority: 3

Dependencies: 1114401

ID Number: 1114418

Functionality Type: Constraints

Description: The app should have security on it that prevents corrupted music into its library.

Rationale: To prevent virus from spreading into the app and affecting it.

Fit Criterion: A song in the user’s library should be determined when first getting the app with a notification to notify the user.

Priority: 2

Dependencies: N/A

ID Number: 1114419

Functionality Type: Constraints

Description: the app should have regular immunities to different errors or viruses to ensure constant accessibility.

Rationale: To prevent virus or errors on a wider scale.

Fit Criterion: No viruses should be present in app or an error should be noted when displaying the song list.

Priority: 2

Dependencies: N/A

ID Number: 1114420

Functionality Type: Non-Functional

Description: The app should describe the latest logs on what’s been changed or added per update

Rationale: For user compatibility with device and maintained states.

Fit Criterion: A log button should be in the settings area.

Priority: 6

Dependencies: N/A

ID Number: 1114421

Functionality Type: Functional

Description: The app should ask permission into the user’s music before anything is seen from the user’s device.

Rationale: For user data protection and privacy.

Fit Criterion: Opening the app for the first time after downloading or re downloading should prompt the user for getting their permission to access music and download.

Priority: 1

Dependencies: N/A

ID Number: 1114422

Functionality Type:

Description:

Rationale:

Fit Criterion:

Priority:

Dependencies: