Derek Miner

Sergey Shepelev

Josh Kepros

Benjamin Menning

CS 415

October 1, 2015

MP3 Player Application Use Cases

**Play Song**

**Scope:** MP3 Player Application

**Level:** User-goal

**Primary Actor:** User

**Stakeholders and Interests:**

-User: Wants smooth and error-free playback

**Preconditions:** Song is selected

**Success Guarantee (Postconditions):**

-Song begins playback of selected song.

**Main success scenario:**

1. User starts MP3 program
2. User selects track for playback
3. Player starts playback of track
4. User Terminates Program

**Extensions:**

File is incompatible with MP3 Player application. Indicate error.

**Special Requirements:** None

**Technology and Data Variations List:** None

**Open Issues:** None

**Pause Song**

A user opens the program and selects a song to play. The player automatically begins playing the song. The user pauses the song. The user closes the program.

**Stop Song**

A user opens the program and selects a song to play. The player automatically begins playing the song. The user stops the song the song. The user closes the program.

**Play Next Song**

Player is playing song. User initiates player to skip to the next song. Player stops playback and initiates playback of the next song. User exits the program.

**Play Previous Song**

Player is playing song. User initiates player to skip to the previous song. Player stops playback and initiates playback of the previous song. User exits the program.

**Select New Song**

**Scope: MP3 Player Application**

**Level:** User-goal

**Primary Actor:** User

**Stakeholders and Interests:**

-User: Wants accurate and fast selection.

**Preconditions:** Song is undergoing playback.

**Success Guarantee (Postconditions):**

**Main success scenario:**

1. Player currently playing song
2. User selects new song
3. Player Stops previous song and starts new song
4. User Terminates Program

**Extensions:**

File is incompatible with MP3 Player application. Indicate error.

**Special Requirements:** None

**Technology and Data Variations List:** None

**Open Issues:** None

**Select Track Position**

A User opens the program and selects a song to play. The player automatically begins playing the song. User selects earlier or later position in track undergoing playback. Play continues playing immediately from new position.

**Change Volume**

A user opens the program and selects a song to play. The player automatically begins playing the song. The user adjusts the volume. The player plays the song at set volume. The user closes the program.