

Predesign Specification

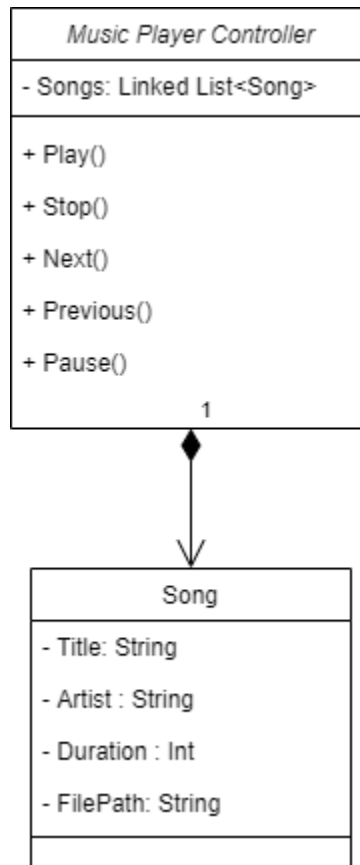
JAVA III

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Question 1

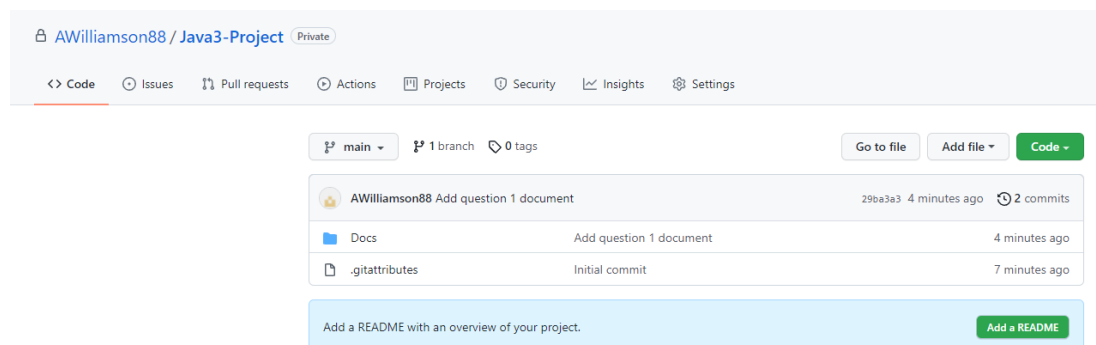
Question 1

1. UML Diagram



2. Source Control

I will be using GitHub as my source control. I am using GitHub because it is an industry accepted tool that I have experience with.



Question 1

3. Test Table

Case	Data	Expected Result	Actual Result
1	Add the first song to the list.	The song is added to the list.	
2	Add another song to the list	The song is added and the list is sorted.	
3	Search for a song in the list	The song is found, Highlighted in the list and starts playing.	
4	Search for a song not in the list	The song is not found. Nothing is highlighted in the list.	
5	Play a song.	The song is highlighted in the list and plays.	
6	Close the program.	The track list is saved to a csv file.	
7	Start the program.	The song list is loaded from the csv file.	

4. Sample Unit Test

```
@Test
public void test_Song_Details() {

    // Given
    MusicPlayerController controller = new MusicPlayerController();
    String songpath = "This path";

    // When
    Controller.add(songpath);

    // Then
    assertEquals(songpath, controller.firstSong().SongPath());
}
```

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