



Assignments > Week 4 Homework Assignment

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Instructions

Part 1:

Extend the clock display with GUI so that it displays a digital clock that correctly displays NY-style time, with seconds. That is to say, 12:01:35 AM; 1:45:09 PM. So minutes and seconds will have leading 0's, but hours will not; also the clock must display an AM when the time is AM, and a PM when the time is PM. Lastly, you should show two sample runs in a video of your clock. One showing that the time and clock works correctly so that it updates every second, and rolls over from 12:00:59 AM to 12:01:00 AM; another with the clock speeded up so we can see it transition from 9:59:59 AM to 10:00:00 AM, then 11:59:59 AM to 12:00:00 PM, then 11:59:59 PM to 12:00:00 AM.

Part 2: **DO NOT DO THIS NOW. It will be part of Week 5.**

First, add an .mp3 file **on your desktop** to the collection of the Music Organizer Version 5 after it starts. Make sure you update the Artist and title of the song you add. Display the list of songs and now play your song, on a recorded video so we can see it.

Next, implement exercises 4.43 and 4.45 on Page 164 of the book.

Turn in a PDF of your code with GOOD variable names, sufficient comments (you need only turn in the methods YOU wrote) along with a link to a video (Zoom screen recording is fine, but it must be posted somewhere accessible online; **I will not accept uploaded videos**)

Extra credit/Impress the Heck out of me: Look up some online Java code that will read an MP3 file and extract the information on the file to automatically give artist and song title information to ANY MP3 you load. Add the demonstration of this separately.

Due Date

Jul 10, 2023 11:59 PM

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