

Please try the following test cases and drop your notes under each bullet point in **BLUE** color. You can see some examples below:

- Check that functionality x works.
This functionality works like a charm.
- Check that functionality y works.
This functionality has some flaws, the system crashes when it is tried to do operation namely t.
- Check that functionality z works.
This functionality does not work at all.

You can add extra test cases, please insert them at where you tried at the video, but please insert them as in **RED** color, your notes are still in **BLUE**. This paper is also for noting which parts of your system does not work well, so you can create hypothetical test cases that makes your system does not response as it has to do and explain the problem.

My suggestion to you is firstly completing this document and then starting to record demo video, with this kind of approach, you can benefit from your notes that you written to this document, and your demo goes in parallel with your demo which is more consistent, but you are free to fill the checklist and record the demo in desired order, but note that your checklist and demo has to be parallel to each other.

Test Cases

- Open the initial contents of the “backup.dat” and slide the text to show all its content, neither too slow, nor too fast. Contents of the assets folder must be same as the one provided at Piazza, you can add your contents to assets folder for sure (the things that you submit with your homework, please be sure that the one that you used during demo is the same as the one that you submitted)
This functionality works like a charm.
- Open the terminal at your main folder (the folder that your code needs to be compiled and run)
This functionality works like a charm.
- Run the following commands:
 - ls -lR (Must show contents of your assets folder, if not then try to show contents of your assets folder by yourself)
This functionality does not work at all. I will show the contents manually.
 - javac -version (must be resulted same as “javac 1.8.0_xxx”)
This functionality works like a charm.
 - java -version (must be resulted same as “java version “1.8.0_xxx””)
This functionality works like a charm.

- Compile your code and then run it.
[This functionality works like a charm.](#)
- Show that your system opens without any crash. Your system must also read the contents of the assets folder by itself.
[This functionality works like a charm.](#)
- Try to login and logout as four of the following: an admin but not a club-member, a club-member but not an admin, an admin who is also club-member, a user that is neither admin nor club member. (If your system can read backup properly, then login as the users at "backup.dat")
[This functionality works like a charm.](#)
- Try to do erroneous login and show the errors and ban condition, note that you must prove that your ban counter does not get reset until a user can successfully login (or the counter finishes after amount of erroneous trials), so, for example, do two erroneous logins, and go to the signup page, and return without doing anything, and try three more times to get banned, then show how does your system carries out this erroneous situation.
[This functionality has some flaws, only the banning system is not working. It shows the message but user can do operates.](#)
- Create a new user⁽¹⁾.
[This functionality works like a charm.](#)
- Promote the last user (1), that you created, as admin and club member by an admin's page.
[This functionality works like a charm.](#)
- Demote another person from being admin and another one from being club-member. Note that the user that you demoted must be different than the user namely admin.
[This functionality works like a charm.](#)
- Login as the last user (1), that you created, and then log out.
[This functionality works like a charm.](#)

- Open the system as a regular user (neither club-member, nor admin), show the films dropdown list, and select one of the films, then click OK.
[This functionality works like a charm.](#)
- Play trailer for a while.
[This functionality works like a charm.](#)
- Skip forward for five times and skip back for two times, rewind the video, change the volume (set it to zero and then set it to something else than zero).
[This functionality works like a charm.](#)
- Pause the trailer, and then play it for a while, and then pause again and do the previous bullet point again.
[This functionality works like a charm.](#)
- Play the trailer, skip back till there is no more frame to skip back (press two-three times to skip back even though there is no frame), then repeat this operation for skipping forward till there is no frame to skip forward.
[This functionality works like a charm.](#)
- Show the halls dropdown list, select a hall (2), and click OK to enter that hall. Be sure about that this window contains three types of seats: not sold yet, sold for another person, sold for current user. Then try the followings.
[This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations. So hall shows only the unpurchased seats.](#)
- Refund a seat that has been bought by current user previously.
[This functionality does not work at all.](#)
- Try to refund a seat that has not been bought by current user.
[This functionality does not work at all.](#)
- Buy another seat and refund it, do this operation two times.
[This functionality does not work at all.](#)
- Log out and log in as a club-member which is not an admin, then go to the previous hall (2), then do the same seat operations for that club member too (be sure about that hall contains those three types of the seats for this user too), the seat that you buy and refund two times has to be the same seat as you tried to do this operations two times as previous user.

This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations.

- Log out and log in as an admin who is also a club-member. Do the same operations that you have done as club-member for admin, (be sure about that hall contains those three types of the seats for this user too) but note that you must buy the seats for current user, so please select the current user from the dropdown list at the hall.

This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations.

- Close the program and show the contents of the “backup.dat” as you did at the beginning.

This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations. Due to the seat operations doesn't work, except seat operations, other updates are done in the “backup.dat” file.

- Open the program and login as admin account who is also a club member.

This functionality works like a charm.

- Open edit users page and go back.

This functionality works like a charm.

- Select remove film and remove a film, note that it must be a movie that you did not enter during your demo yet.

This functionality has some flaws, nothing happens when it is tried to do operation namely removing film. But the remove film page can be opened.

- Add that movie again, with the same trailer, same name, and same duration, you do not need to add the halls of it again. Then remove that film again.

This functionality has some flaws, nothing happens when it is tried to do operation namely removing film. But the remove film page can be opened.

- Close the system from the red cross immediately and open the program and login as the same admin again. Add that movie again in the same way as you did before.

This functionality works like a charm.(Adding functionality)

- Enter the movie that you created and try to enter empty hall (as there is no hall for that movie).

[This functionality does not work at all.](#)

- Play trailer of that movie and click to back button without clicking to pause button.

[This functionality works like a charm.](#)

- Enter a film that you did not enter during your demo video yet. Enter a hall and buy a seat (from admin's account) for a regular user, a club member, an admin, and both admin and club member. Buy some more seats for some other users and refund it, then buy and refund a seat twice for a user.

[This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations.](#)

- Demote the club member that you bought a seat for him/her and logout, then login as the user that you currently logged out (the account that you buy seats from), then slide your mouse to the seat that you bought for him/her.

[This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations.](#)

- Remove all halls of a film and try to enter to hall while nothing is selected.

[This functionality has some flaws, nothing happens when it is tried to do operation namely removing hall. But the remove hall page can be opened.](#)

- Add a hall to that film, then enter that hall, buy some seats, refund some.

[This functionality has some flaws, nothing happens when it is tried to do operation namely seat operations.](#)

- Remove all films and try to enter a film while nothing is selected.

[This functionality has some flaws, nothing happens when it is tried to do operation namely removing film. But the remove film page can be opened.](#)

- Close the system and show the contents of the "backup.dat", open the program again and show that there are no movies.

[This functionality does not work at all.](#)

DEMO Video Link:

<https://youtu.be/iSSu4gEJVtI> (Video is unlisted, so you can only reach it from this link)

- Moreover, please narrate the critical parts of your code (design) and critical parts of your report, please do not narrate all of them, just narrate them for one or two minutes as it is just for understanding the code and report by your own perspective.

INCOMPLETE PARTS

- In Assignment-4, there are couple of problems that didn't solved:
- In log in page, most of the errors are working, but after reaching the max error, program shows the sentence "ERROR: Please wait for ... seconds to make a new operation!" but user can make operation in that period of time. Also max counter resets when the page is switched.
- In remove film and remove hall page, pages are ready, but the functionalities doesn't work at all. OK buttons in the Remove film and remove hall pages don't make a change.
- In hall page, page is ready, but all the seat operations doesn't work at all. When user click on the OK button, nothing happens.
- Backup.dat is updating according to the changes, but due to the problems above, those changes are not happening on the backup.dat such as removing film/hall and seat operations.

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RESTRICTIONS

- Your demo **must contain sound**, you can use Zoom's video recorder for this purpose, be sure about that you are sharing your **whole screen, not just the application**.
- Your demo video **cannot be longer than eight minutes, five minutes for the GUI and three minutes for the extra feature, code and report**, (four to six minutes for GUI and two to four minutes for rest is also OK but the total length of your video cannot be longer than eight minutes) it cannot exceed eight minutes even a little second, and your video must be in real speed, please do not speed up or down your videos.
- Everything about your **demo video must be in English** (you do not have to set your system language to English for sure). Your video must be fluent, so please crop the parts that you stuck, **your video must not contain awkward silence**. It is not assumed that you are a native speaker, but it is known that your English level is at least B1+, so, it is requested from you to speak at least as a B1+ speaker, little mistakes about your speech are going to be discarded but avoid mistakes as much as you can.
- **Do not do these operations too fast or too slow**, make them at the speed that a normal user (**who is not very familiar with your system and tries to read texts**) does.
- **Show your extra features in advance**, you can show them while doing these operations for the sake of not losing any extra time. **Note that you must show content of your "extra.dat"** (if you have) when it is requested from you to show content of "backup.dat" during the demo, moreover, show the content of your "extra.dat" if you do some further operations that manipulates your "extra.dat".
- **Show the things that make your system crash or things that you couldn't done in demo properly** but show them after the requirements of the demo finishes, you can skip some of the requirements by saying that you did not implement it, so that your demo video becomes more fluid, less erroneous, but note that you must show your erroneous parts at the end.
- **Preferred screen resolution and scale for Windows 10 or later is 1920x1080 with scale of 1.25**, you can select the same for the Linux systems too, for the MacOS, you can use the preferred specifications of your system, but it would be good if you can use your MacBook's own screen instead of any external screens.
- You must both narrate your GUI and report, code, extra feature.
- **It is your own responsibility to show all the functionality of your system**, so if you have not mentioned about a functionality that is a request of this project or part of your extra feature, your code may be graded as zero for that part as there is no working example. So, please do not feel limited with given conditions, show your all work to get full credit, that means, if you have not shown a concept at your demo video, you will not have any right to say that **"But it worked on my machine!"**, because this demo video is a chance for you to show that your code works on your machine well, but note that you can still have right to objection for the parts that are not mentioned at PDF, Piazza Notes, Q&As, or your extra features; say that there is a bug at a button and it is neither mentioned at PDF, Piazza, Q&A, nor mentioned during your implementation and you did not notice that it does not work on other machines, then for sure you can object for it by clipping a video that shows it works on your machine.
- **It is your own responsibility to follow all things about this homework, PDF, Piazza, Q&A etc. So, you assumed that aware of everything mentioned at there.**
- **Note that you must describe the user that you log in as (such as he/she is a club member and not admin), so that it can be clearer to understand what to expect.**