

HOME ASSIGNMENT (SENIOR DEVS)

Overview:

Using HTML / CSS / JS / PHP and MySQL, you are to create a functional Movie Booking System that will allow users to view and book screenings online, for a specified film, at a specified cinema, at a specified show time. You may use any form of framework or tool, be it front-end or back-end, as long as you can justify its use. (Bootstrap, Angular, VueJS, Laravel, Symfony, etc.)

NOTE: The below serves as a minimum specification, and you may add or expand on functionality if you wish, as long as the minimum specification is met.

Requirements:

- Users should be able to register and log in.
- Users should be logged in to complete a booking, but can view and select whilst unauthenticated.
- Users should be given a unique booking reference number to use as a redemption method. (No need to mail it, displaying it will be fine.)
- Users should be able to view their booking specifics after having booked.
- Users should be able to cancel a booking up until one hour before the show starts.
- Cinema theaters have a maximum number of 30 seats.
- When booking, a user only needs to choose a cinema, a film, a show time, and the number of tickets. (Use whichever display method and process / flow you like best, simple dropdowns will do as well.)

Assumptions:

- There are only two cinema locations, each has two theatres, with two films currently showing.
- Users won't need to pay.
- Environment: Feel free to use whatever you like.

Tasks:

- Give a brief explanation about what you used, and why. This may include the tools and frameworks you made use of, or any methodologies/best practices you incorporated whilst developing, on the application and DB level.
- Create a public Github / Bitbucket repository, which should contain your completed project and all related files, regular small commits will allow us to better follow your work.
- Deliver a functional project, with all files included and instructions for setting it up.

Nice-to-Haves:

- An admin CRUD for each data entity
- Testable Code
- SOLID principles followed
- Clean commented code