

**Booking a Ticket** : Click [Here](#) .

**Cinema Project FAQ** : Click [Here](#)

	5 - Cinema Booking System
Description	This program aims to handle cinema reservations for the available movies in a certain time.
Deliverables	<ul style="list-style-type: none"><li>● List all available movies in cinema with their description (Title, Director, Actors, Rating)</li><li>● List theaters showing a certain movie with its screening time.</li><li>● List all movies showing at a certain time (starting time of the movie).</li><li>● Book a ticket. (Check the link in the Notes for more info). When you complete the reservation, display the theater ID</li></ul>



<b>Notes</b>	<p><b><u>Structures should be used:</u></b></p> <p><b>Movie:</b> Title, Director, Actors, <u>Rating</u> and array of <i>Screening</i></p> <p><b>Screening info:</b> Theater, screening time</p> <p><b>Theater:</b> theatre_id, capacity, reserved_seats</p> <p><b>Time:</b> hour, minute.</p> <p><b><u>General Notes:</u></b></p> <ul style="list-style-type: none"><li>● To check whether there are available seats for a certain movie, check (capacity - reserved seats) for each theater screening the movie at a certain time.</li><li>● Use a global variable with type “time” that can be initialized to simulate the time the program is used (the time the user is booking the ticket/s).</li><li>● we will assume that:<ul style="list-style-type: none"><li>○ The duration of all movies is 2 hours. A half an hour is left between each screening in the theater.</li><li>○ Number of Movies: 4 (at least), Number of theaters: 2 (at least), Number of screenings in each theater: 4 (at least).</li><li>○ The theaters screen the movies simultaneously.</li><li>○ Each movie is screened at least 2 times.</li></ul></li></ul>
<b>Bonus</b>	<ul style="list-style-type: none"><li>- GUI (Graphical User Interface)</li><li>- Any extra functionality</li></ul>

