

OBJECT ORIENTED PROGRAMMING
2nd Semester
PROJECT PROPOSAL

PROJECT TITLE: The CineMate; Movie Ticket Reservation

Application Purpose:

Target Users:

- Moviegoers of all ages who prefer booking their seats in advance to avoid queues..
- Cinema staff and ticketing personnel who will benefit from a more organized and efficient seat management system.
- Cinema administrators who want to monitor bookings and schedules without relying on manual logbooks or spreadsheets.

- People with mobility concerns who prefer reserving accessible seating from the comfort of their homes or devices.

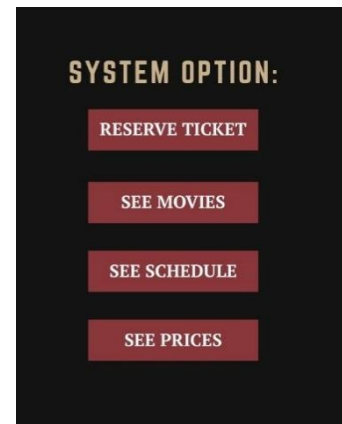
Key Features:

1. Movie schedule display with showtimes
2. Seat selection with visual interface
3. Ticket booking confirmation and receipt
4. Payment processing (simulated)
5. Admin panel to manage movie listings and view bookings

Technical Requirements:

- **Java version:** Java SE 8
- **UI Framework:** Swing (via WindowBuilder)
- **Tools/IDEs used:** Eclipse IDE with WindowBuilder plugin
- **External Libraries:** None

Sample UI Sketch (Optional):



Expected Challenges and Solutions:

Challenge	Solution
Designing UI in Window Builder	Break screens into panels and design it one at a time only.
Managing seat availability dynamically	Use arrays or a simple backend system to track reserved seats
Validating user inputs	Use try-catch and error messages (e.g., invalid date or payment)
Simulating payment processing	Mock the process with simple success/fail message flows.

Specific Instructions:

OOP Project

OPTIONS (Main Form)

1. Check Schedule (makikita lang yung schedule ng movies)
2. Check Prices (makikita prices)

3. Proceed to reservation(see available seats)

- magtatanong aling seats
- dapat pag biglang cancel di na massave
- dapat mai-ex yung seats na hindi na available
- pag sinave at same date and time parin, dpat di na nabbago yung nakareserve
- pwede kahit ilan ang pagrereserve at a time
- then magrereload itsura nung seats available after
- isipin muna if kelan mag iinput ng details (name etc, solution din if ever mag cancel)
- input of payment
- print of receipt
- dapat massave kahit nag exit na yung program
- log in/out
- connect sa database ang user

note that there will be different form in each

basta po sana ang mahalaga po is may CRUD operation, and nakakapag print po ng receipt, then yung computation po.

then sa time po nung mga movies, naisip ko po na kahit tig iisang oras po yung movie, since nilagay ko po dyan is 1 cinema station lang. naisip ko po kase na baka mahirap po pag different sinehan pa, pero if may way po kayo if pano is go lang po. tas sa date po is nasa isip ko rin po kung ano nalang pong araw na mismong nagbook dun sa program is yun nalng po masi-save, hindi ko po kase alam if pano didiskartehan pag mag aadvance booking, tapos pag dumating yung exact date na yun is makikita na naka-reserve na po yun. pasensya na po kayo ah, halos last week lang din po kase inaprove nung prof namin yung mga proposal, kaya cram po talaga. maraming salamat po ulit