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Professor Karra

CS 151 – 2

Homework # 1 – CRC Cards

TheaterReservationSystem	
Initialize users.txt	UserManagement
Initialize reservations.txt	Cinema
Opens landing page	

UserManagement	
Logs user in	User
Signs user up	Transaction
Logs user out	

User	
Knows username/password	Reservation
Knows all reservations	MovieTicket

Transaction	
Calculates total price	User
Views MovieTickets for user	Movie Ticket
Displays main menu	Reservation
	Cancellation

Reservation	
Gets user input for date, time, section, seatNum for MovieTicket	Transaction
Adds MovieTicket for user	Movie Ticket
	Seat
	User

Cancellation	
Removes MovieTicket from User's list	Transaction
	Movie Ticket
	User

Movie Ticket	
Knows movie title, time, date	Seat
Knows seat section/number	Cinema
Prints out its information	

Cinema	
Knows available sections/seats	Seat
Knows occupancy for each section	
Occupies seat	
De-occupies seat	
Create seats	

Seat <interface>	
Knows section	Main
Knows seat number	South
Knows price	West
	East

Main	
Knows section	Seat
Knows seat number	
Knows price	

South	
Knows section	Seat
Knows seat number	
Knows price	

East	
Knows section	Seat
Knows seat number	
Knows price	

West	
Knows section	Seat
Knows seat number	
Knows price	