

Movie Theater Chain

Joemichael Alvarez and Agostina Carluccio

Our project is small chain of theaters local to the Miami area. The chain recently opened in January and has ticket times from 11AM to 12AM, Work Hours from 10AM to 3AM, 7 Days-a-Week w/ holiday availability.

Employees are paid hourly and based off position. The positions and respective pay are as follows: part-time \$13.45/hour, full-time \$15.19/hour, team-lead \$17.22/hour, and manager \$25.89/hr.

Each location is unique and can have theaters large and small. Some theaters are even IMAX and 3D films are shown throughout the theaters. All locations have concessions which include popcorn, sodas, food, and other drinks. Popcorn is sold at a 1000% percent markup, soda and drinks a 600% markup, and food a 100% markup.

Tickets prices are \$15 for adults, \$12 for seniors, and \$8 for kids while IMAX is an additional \$6 more per ticket and 3D is an additional \$3 per ticket. Handicap, Closed captioning, Audio Description and Assistive Listening available upon request.

Concession reward system, salary, and inventory are calculated by frontend/programming software.

Business rules:

- No concession sale can occur without a ticket sale
- One position can belong to many employees
- One location may have many employees
- One location may have many sales
- One location may have many theaters
- One employee may make many sales
- One sale may have many sale_details
- One theater may or may not be a part of many sale_details
- One item may be part of many sale_details