

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 15

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Project Proposal

1. Description

Our project is movie theater software. The domain is entertainment and movie theatre management. It will be for customers and managers alike. The customers will be able to buy tickets for movies at different theatres. They will also be able to write reviews for movies and tracks what they buy at concession stands. The theater manager can manage which rooms show which movies at which times and see how well their business is running.

2. Database specifications

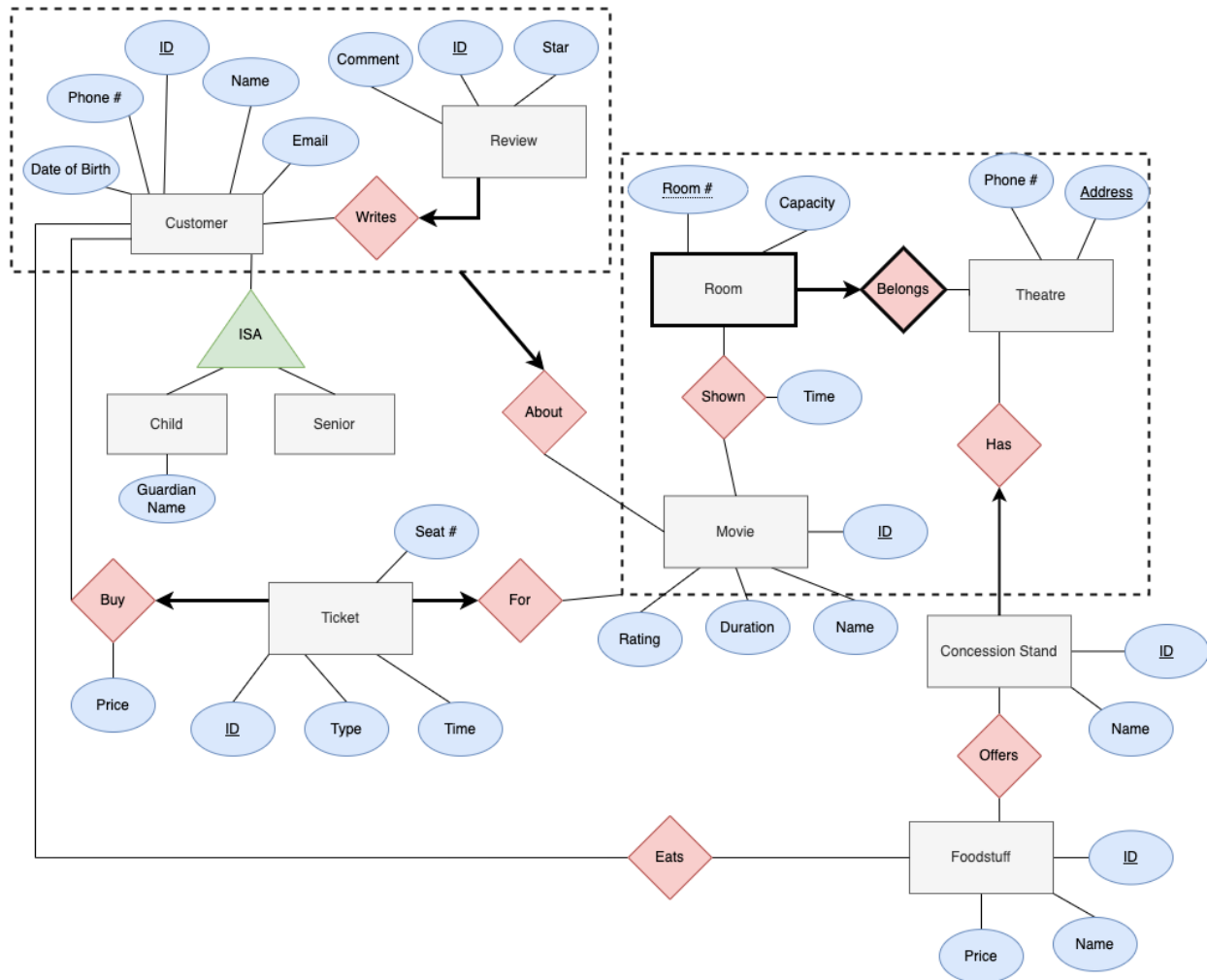
The database will provide the following convenient functionality: customers will be able to purchase movie tickets for a specific time, for a room at a theater. The ticket price is based on the customer category (child, senior, or neither). They will also be able to leave reviews about the movie they watched. Information about customers, movie theatres, and customer reviews will be stored in the database. Additionally, we will store information on the concession stands of theatres and the foodstuff (including snacks and drinks) they provide, and customers can order food from these stands.

3. Description of the application platform:

Our project will utilize Java and JDBC. Our expected technology stack includes Oracle as the server database and Java Swing and JavaFX for creating a user-friendly interface. However, we may change or add our technology stack as the project progresses.

ER Diagram

- Ticket type is like 3D ticket, luxury seats ticket
- Customer, Child, Senior ISA relationship = Partial + Disjoint



Milestone 1 feedback: Change aggregation to only include one relationship for ticket

Added aggregation for foodstuff.

