# **Cinema**

Write an application that will sell tickets for cinema shows. Basic functionality of the application should include: adding/editing a movie, selling single tickets, adding ticket discounts, listing all tickets for movie. When started, the application should load ticket and movie data from files in XML or CSV format.

Required data for ticket:

- Ticket Number,

- Seat Number (containing Row as letters A-G and Column as 1-20, for example: A5, B17, E9),

- Movie,

- Ticket Price.

Required data for movie:

- Name,

- Short Description,

- Show Date (display format as dd/MM/yyyy HH/mm),

- Basic Ticket Price,

- Occupied Seats (as list),

- Movie Length.

Expected functionality:

- Add/edit movie,

- Copy movie with new planned Show Date,

- Sell ticket (assign new Seat Number that is not occupied),

- Sell *N* multiple tickets (assign *N* new Seat Numbers in the same row if possible, eg. A5, A6, A7),

- Add percentage discount for ticket (edit Ticket Price),

- List all ticket informations for specific movie,

- List all tickets that have assigned any discount; sort results by percentage discount value,

- List all movies that have 15 or less Occupied Seats,

- Save program data to specified files,

- Clean exit out of the application.