

Final Case Study

Movie-Multiplex Portal

Requirement spec:

- Portal is required to perform CRUD activities on Movie and Multiplex entities.
- Portal is required to allot Movies to multiplex
- Portal is required to search for Movie and Multiplex

Entity spec:

Movie entity

- Id
- Name
- Category
- Producer
- Director
- ReleaseDate

Any additional field if you prefer that make some logical requirements...

Multiplex entity

- Id
- MultiplexName
- Address
- NumberOfScreens

Any additional field if you prefer that make some logical requirements...

Requirement Description

- Portal shall have home page containing menu options for
 - Movie management : This option shall load Movie Management page providing support for CRUD activities on Movie entity
 - Multiplex management : This option shall load Multiplex Management page providing support for CRUD activities on Multiplex entity
 - Allot Movie : This option shall load page that shall allow user to select a movie and allot it to a multiplex
 - Search : This options shall load page that shall allow user to search a movie or a multiplex
- Proper validation constraints shall be applied in entry forms
- A movie can be allotted to multiple multiplexes
- While allotting a movie to a multiplex, user shall select the screen number, which should be available for allotment
- A Multiplex can be allotted multiple movies
- User shall not be allowed to allot movie to a preoccupied screen of multiplex
- Search page will have two radio buttons, one for movie search and multiplex search
- Search shall be based on text typed in a text box provided on search page
- **Searching must respond the search result using WebSocket, in async manner**
- While searching the movie it shall show the multiplex also where it is allotted
- While searching the multiplex it shall show the movies also allotted to it.
- Create appropriate model classes as per the requirements.