



model
My Company

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Table of Contents

- 1. Class Diagrams 1
 - 1.1. Model model 1
 - 1.1.1. Class Movie 1
 - 1.1.2. Class Cinema 2
 - 1.1.3. Enumeration CinemaType 3
 - 1.1.4. Class ControlCinema 3
 - 1.1.5. Abstract Class Report 4
 - 1.1.6. Class MovieReport 4
 - 1.1.7. Class DailyReport 5
 - 1.1.8. Class PeriodReport 5
 - 1.1.9. Class WeekReport 6

1. Class Diagrams

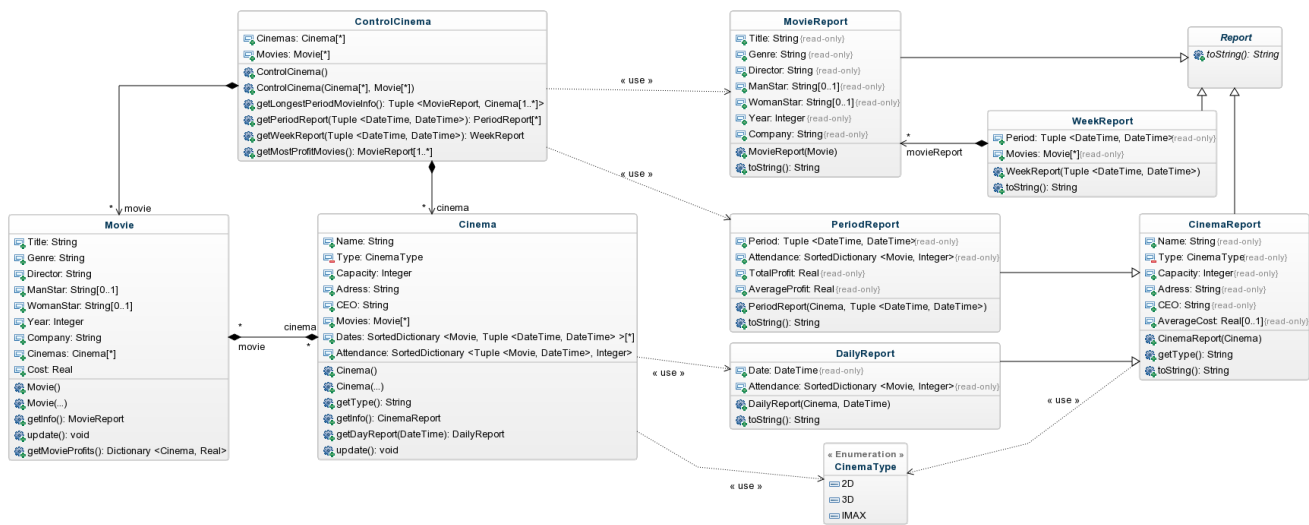


Figure 1. class-diagram Diagram

Referenced Elements

- Class Movie — [see "Movie" definition](#)
- Class Cinema — [see "Cinema" definition](#)
- Enumeration CinemaType — [see "CinemaType" definition](#)
- Class ControlCinema — [see "ControlCinema" definition](#)
- Class Report — [see "Report" definition](#)
- Class MovieReport — [see "MovieReport" definition](#)
- Class CinemaReport — [see "CinemaReport" definition](#)
- Class DailyReport — [see "DailyReport" definition](#)
- Class PeriodReport — [see "PeriodReport" definition](#)
- Class WeekReport — [see "WeekReport" definition](#)

1.1. Model model

No description.

1.1.1. Class Movie

No description.

Attributes

- Title : String[1]

- Genre : String[1]
- Director : String[1]
- ManStar : String[0..1]
- WomanStar : String[0..1]
- Year : Integer[1]
- Company : String[1]
- Cinemas : Cinema[*] — [see "Cinema" definition](#)
- Cost : Real[1]

Operations

- Movie()
- Movie(title : String [0..1], genre : String [0..1], director : String [0..1], manStar : String [0..1], womanStar : String [0..1], year : Integer [0..1], company : String [0..1], cinemas : Cinema [*] , cost : Real [0..1])
- getInfo() : MovieReport
- update() : void
- getMovieProfits() : Dictionary <Cinema, Real>

Associations

- cinema : Cinema [*] — [see "Cinema" definition](#)

1.1.2. Class Cinema

No description.

Attributes

- Name : String[1]
- Type : CinemaType[1] — [see "CinemaType" definition](#)
- Capacity : Integer[1]
- Adress : String[1]
- CEO : String[1]
- Movies : Movie[*] — [see "Movie" definition](#)
- Dates : SortedDictionary <Movie, Tuple <DateTime, DateTime>[*] — [\[U_78PnMAyjEDSJ0e6TgpNFjg\]](#)
- Attendance : SortedDictionary <Tuple <Movie, DateTime>, Integer>[1] — [\[U_tL4bIAysEDSW5NKwQDWChw\]](#)

Operations

- Cinema()
- Cinema(name : String [0..1], type : String [0..1], capacity : Integer [0..1], adress : String [0..1], ceo : String [0..1], movies : Movie [] , **cinemas : Cinema []**)
- getType() : String
- getInfo() : CinemaReport
- getDayReport(date : DateTime [1]) : DailyReport
- update() : void

Associations

- movie : Movie [*] — [see "Movie" definition](#)

1.1.3. Enumeration CinemaType

No description.

2D

3D

IMAX

1.1.4. Class ControlCinema

No description.

Attributes

- Cinemas : Cinema[*] — [see "Cinema" definition](#)
- Movies : Movie[*] — [see "Movie" definition](#)

Operations

- ControlCinema()
- ControlCinema(cinemas : Cinema [] , **movies : Movie []**)
- getLongestPeriodMovieInfo() : Tuple <MovieReport, Cinema[1..*]>
- getPeriodReport(period : Tuple <DateTime, DateTime> [1]) : PeriodReport
- getWeekReport(period : Tuple <DateTime, DateTime> [1]) : WeekReport
- getMostProfitMovies() : MovieReport

Associations

- cinema : Cinema [*] — [see "Cinema" definition](#)
- movie : Movie [*] — [see "Movie" definition](#)

1.1.5. Abstract Class Report

No description.

Direct sub-classes

- WeekReport — [see "WeekReport" definition](#)
- MovieReport — [see "MovieReport" definition](#)
- CinemaReport — [see "CinemaReport" definition](#)

Operations

- toString() : String

1.1.6. Class MovieReport

No description.

Attributes

- Title : String[1] **Read only**
- Genre : String[1] **Read only**
- Director : String[1] **Read only**
- ManStar : String[0..1] **Read only**
- WomanStar : String[0..1] **Read only**
- Year : Integer[1] **Read only**
- Company : String[1] **Read only**

Super classes

- abstract Report — [see "Report" definition](#)

Operations

- MovieReport(movie : Movie [1])
- toString() : String

Associations

==== Class CinemaReport *No description.*

Attributes

- Name : String[1] **Read only**
- Type : CinemaType[1] **Read only** — [see "CinemaType" definition](#)
- Capacity : Integer[1] **Read only**
- Adress : String[1] **Read only**

- CEO : String[1] **Read only**
- AverageCost : Real[0..1] **Read only**

Super classes

- abstract Report — [see "Report" definition](#)

Direct sub-classes

- WeekReport — [see "WeekReport" definition](#)
- DailyReport — [see "DailyReport" definition](#)
- PeriodReport — [see "PeriodReport" definition](#)

Operations

- CinemaReport(cinema : Cinema [1])
- getType() : String
- toString() : String

1.1.7. Class DailyReport

No description.

Attributes

- Date : DateTime[1] **Read only** — [\[U_loo3sAyiEDSJ0e6TgpNFjg\]](#)
- Attendance : SortedDictionary <Movie, Integer>[1] **Read only** — [\[U_tumSMAYiEDSJ0e6TgpNFjg\]](#)

Super classes

- CinemaReport — [see "CinemaReport" definition](#)

Operations

- DailyReport(cinema : Cinema [1] , date : DateTime [1])
- toString() : String

1.1.8. Class PeriodReport

No description.

Attributes

- Period : Tuple <DateTime, DateTime>[1] **Read only** — [\[U_p_Rj8AymEDSyZfxPSAiE3w\]](#)
- Attendance : SortedDictionary <Movie, Integer>[1] **Read only** — [\[U_tumSMAYiEDSJ0e6TgpNFjg\]](#)
- TotalProfit : Real[1] **Read only**
- AverageProfit : Real[1] **Read only**

Super classes

- CinemaReport — [see "CinemaReport" definition](#)
- CinemaReport — [see "CinemaReport" definition](#)

Operations

- PeriodReport(cinema : Cinema [1] , period : Tuple <DateTime, DateTime> [1])
- toString() : String

1.1.9. Class WeekReport

No description.

Attributes

- Period : Tuple <DateTime, DateTime>[1] **Read only** — [\[U_p_Rj8AymEDSyZfxPSAiE3w\]](#)
- Movies : Movie[] ***Read only** — [see "Movie" definition](#)

Super classes

- abstract Report — [see "Report" definition](#)
- CinemaReport — [see "CinemaReport" definition](#)
- CinemaReport — [see "CinemaReport" definition](#)

Operations

- WeekReport(period : Tuple <DateTime, DateTime> [1])
- toString() : String

Associations

- movieReport : MovieReport [*] — [see "MovieReport" definition](#)