Project C Case description
*Case*: Cinema

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The corona crisis has had a major impact on the Dutch economy in recent 2 years. Nevertheless, the cinema sector survived. With the advent of IMAX and 3D technology, despite the crisis and piracy, cinemas have managed to attract full theatres and the trend continues. Young people and the average student belong to the (core) target group of the cinema industry and the interest is mutual. In short, a perfect match!

Jake Darcy is an entrepreneur that is planning to set up a typical Dutch cinema chain where going to the movies becomes a movie experience and where lounging is the key word. In the Netherlands there is quite a lack of this. His plan is to start setting up one cinema in the city of Rotterdam. The cinema will consist of a bar, a lounge area (where visitors can wait) and three auditoriums with seats of 150 -, 300 - and 500 respectively. If the formula proves successful, there are plans to expand to other major cities in the Netherlands, such as Amsterdam, Utrecht and The Hague.

Since Jake is a film lover as well, you know what you are talking about. Your vision is to provide the cinema with the latest technologies, such as Auro 3D certified cinema sound system, IMAX 3D digital certified visual projectors and super comfortable (VIP) seats with plenty of legroom and space in between. Jake realizes that this is not enough to attract consumers; after all, competition in this market segment is fierce. The Cinema therefore needs to excel from the competition in certain respects.

The cinema will be located in the heart of Rotterdam, namely: "Wijnhaven 107, 3011 WN in Rotterdam". User-friendliness will be at the top of the list of priorities. This is reflected in everything that has to do with the cinema. Jake also devised a unique way to classify the theatres and determine the price per seat. Every cinema lover understands that not every seat in a cinema offers the same cinematic experience. Think, for example, of front left or right in the first row, back left or right in the auditorium or sitting in the middle of the auditorium. All three locations offer a different cinematic experience and therefore have a different price tag. The idea of the rooms is shown schematically below:

Auditorium 1 (150)   Auditorium 2 (300)   Auditorium 3 (500)
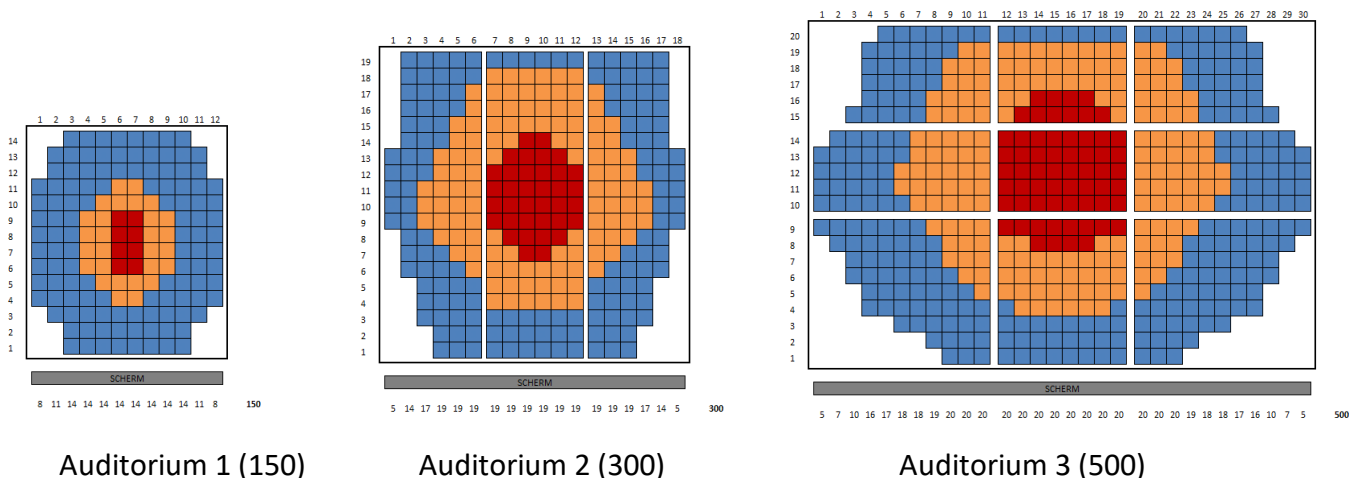
Jake is in need of a application You and your team are hired to make this application.

Possible features:
- Reservation of available chairs.
- Information about the cinema
- Price depends on the chair you book
- Overview of current movies
- Overview of future movies
- Sort the movies on time, category, price etc.
- Catering possibilities
- Information about movie details.
- Get a reservation code when you book a movie.
- Overview total costs of my reservation
- Overview available seats and price.
- Location of the cinema.
- Choose a specific chair
- Etc.