# Ultraplex Frontend - Cinema Management Tool

**Business Requirements:**

- A cinema has multiple screens.
- A movie can be played on multiple screens (in multiple cinemas).
- A screen can show multiple movies on a day.
- A screening of a movie can have multiple bookings.

**Tasks:**

- Create a dashboard that shows the number of
    - Cinemas
    - Screens
    - Movies
    - Bookings

- The user should be able to
    - List all cinemas and add new cinemas
    - List all screens for a specific cinema and add a new screen for a specific cinema
    - List all movies and add a specific movie
    - Create a screening (for a specific screen and a specific movie at a certain time,
    - startTime)
    - Create a booking for a specific screening adding the number of seats

**API base URL**
https://ultraplex-solutions.poc.iov42.net/api/v1

**Endpoints:**

**Create Cinema**
PUT /cinemas
JSON Body { name: ….. }

**List all Cinemas**

GET /cinemas

**Create Screen**
PUT /cinemas/{id}/screens
JSON Body { name: ….. }

**Create Movie**
PUT /movies
JSON Body { name: ….. , runtime: …..}

**List all Movies**
GET /movies

**Create Screening**
PUT /cinemas/{c_id}/screens/{s_id}/screenings
JSON Body {movieId: …., startTime: ….}

**List all Screenings**
GET /cinemas/{c_id}/screenings

**Create Booking**
PUT /bookings
JSON {screeningId: ... , seat: 3}

**List all Bookings**
GET /bookings