

GROUP PROJECT

BRIEF

Build a cinema website, with featured films on the homepage. When a film is selected, the details page should show the film's description and its promotional image.

There will be a winner for the best looking app (Best Picture), the most functional app (Best Technical Achievement) and best gimmick. Work towards whichever ones you want, but there's a higher chance of winning if you go for them all!

DATABASE IN FIREBASE (API)

Films:

Field	Description
filmID	Number, unique identifier
releaseDate	Date, the day the film was released
name	String, the name of the film
ageRating	String, the age rating of the film
promoImage	String, the promotional image eg: "AvengersPromo.jpg"
posterImage	String, the promotional image eg: "AvengersPoster.jpg"
description	String, the synopsis of the film
featured	Boolean, if the film is featured
price	Number, the cost of the ticket

Times:

One-to-many relationship

Field	Description
timeID	Number, unique identifier
filmID	Number, unique identifier for the film that the time is associated with
datetime	DateTime, the date and time of the showing

TASKS BREAKDOWN

Planning

Use JIRA to manage tasks, prepopulate with tasks

Have tasks listed on board/booklet

Analysis

Talk to one of us get more details, requirement priority etc

Show wireframes to the business for improvement

Keep us in the loop with your progress, ask us questions if you don't understand the requirements

Design

Create wireframes

Create data model (we will give you the data model when you use it, this is just an exercise)

Basic structure

Generate an Angular project with components for each part of the app

Setup a home page component with a film component on it

Setup a detail component

Film component

Loop through and display the films (as text or as images)

Add a click event to the film to route to the details screen

Challenge exercises:

Add trailers, a featured movies section on the homepage, etc. The detail screen should let you choose viewing times and display the total cost of the times you select in a subtotal panel.

Evaluation

Present your app to the room, what went well, what didn't?

Vote for the winner of each category (Best Picture, Best Technical Achievement and Best Gimmick).