

Project Cinema Avatar

GREENFIELD PROJECT



January 4, 2020

RBK Tunisia

Group 5

Cinema Avatar

Group members –

* Abobker Elaghel – Project Owner
* Mohamed Fared
* Esam harrus – SCRUM Master
* Ali Jalal

this idea was selected upon the agreement of all the team Members, it was selected from 4 other proposed ideas, because we saw that this idea for the web-app Cinema project well have multiple functionalities and well make use of multiple disciplines,

e.g... authentication, interacting with the database, interacting with the user, fetching data from an API, etc.

Thus, this well ultimately benefit us the most is a Top priority, and will be something elegant to present

# Introduction

The whole project is centered about the idea of an interactive Cinema website, it has the date and time of the movies available in the cinema, also a description in each movie to help users who don’t have a movie in mind to decide, also it gives the users the ability to book reservations from home and print the receipts for them, so the overall idea is to build a Cinema website that makes the life of users more easier

Project scope

The scope of the project we include the Cinema itself, Cinema Website, the users of the website and the admin of the website

Scenario

First thing the user well see when he opens the main route of the page, is the Home page, the home page has the movies that well be available today.

scrolling down well get you to the movies of the incoming days.

the same page has a navbar that have a search field, Sign-in, the User Name (blank of he is not signed in), and the Cinema Name.

The user: should be able to search for the availability and the description for a specific movie and see whatever that movie is available or not, in the upcoming 4 days.

The admin: of the page should be able to add movies, movie info should be fetched from an API.

The admin: also, should have his own dashboard

The admin: route Should be Protected (unauthorized access should be Denied)

For security purposes admin dashboard well only be accessible for 10 min, then he well have to login again.

The admin: should be able to remove users from the system.

The user: should be able to buy a ticket for a specific movie.

The user: should be able to add a movie to his favorites.

The user: should have a recommendation tab OR page.

All of the above require the user to register an account with the website, thus, the user should be able to create an account in the website

The user should be able to create an account, and the site well require him to enter his info.

The user should be logged-in in the page for a maximum of 30m.

Time Table

|  |  |
| --- | --- |
| Date | Task |
| 5/1/2020 | Begging of Work, splitting tasks, discussing, |
| 6/1/2020 | commencing work, every individual commences his own work & discussing |
| 7/1/2020 | Present work of every team member, give feedback & discussing |
| 8/1/2020 | Database Designing and Implementation well be ready & discussing with other team member, give feedback |
| 9/1/2020 | Server-side Implementation well be ready and a simple Front UI should be presented and ready |
| 10/1/2020 | Front-end Fully functional & app overall works  Excepted finish well be on this day, feedback & discussing |
| 11/1/2020 & 12/1/2020 | Adding any other functionality that well improve the overall Value of the project |
| 13/1/2020 | Project Deadline – Present day |

Technologies & Frameworks

For the front end – **React**

Back-end – **NodeJS & Express**

Database – **Mango DB**

Deployment – Heroku

Other libraries used : Bcryert for Hashing and comparing the password , mongoose ODM for designing the schema of the database and interacting with it, JWD for signing token for the user and admin when they sign in and validating that token

Bootstrap for styling the components.

OMDb API,and movie trailer API for fetching the data related to each movie

And others, etc.…

Work distribution

For the server-side work, its mostly done by Abobker especially: Database Design and implementation

Database, Routes, Controllers, etc...

Also Mohamed fared and ali jalal helped by building some controller functions

For the front-end it was built entirely by Essam and Ali Jalal, Mohamed fared also helped build a good portion of the controllers

For the design and the styling, Ali Jalal played a tremendous role.

Over-All Everyone played a crucial Role in making this Project Look Beautiful

Database Design



Final Notes

this green Field Project, ***supervised by RBK Tunisia***, is the result of the collaborative work of Four Students

* Abobker Elaghel - Product Owner
* Essam Harus - SCRUM Master
* Ali Jalal
* Mohamed Fared

we all played an equal role in making this project stand-out, and successful, we put our best efforts in it and learned a lot of new things on the way, and well continue to learn and improve our self’s as long as we can.

Also, we would like to give a special thanks and gratitude to RBK and all its associates, for giving us this opportunity to improve our self’s and plant in us the ability to autonomously learn anything.

And we hope that our project meats the expectations of the HIRs and Mentors of the program, and meets the industry standards

* This Doc Files Was prepared by Abobker Elaghel Using Microsoft Word 2019
* The Database Design was designed by Abobker Elaghel using Microsoft Visio 2019
* The project Source Code was Coded by all the members of the team using Microsoft Visual Studio Code

**FIN**