Task Organization

Week	Topic	Side
1	**Database structure** in MongoDB - Files "server.js" and "app.js" with **server backbone**: database connection, middleware, routers and static assets - Application **models** with Mongoose	Backend
2	**Database** connection and migration - Routes, controllers and methods for **User** - Routes, controllers and methods for **Movie**	Backend
3	**Tests** for controllers and routers **Research** on React functional components + Redux	Backend Frontend
4	- Design of components and pages for **login** - Implement **Redux store and state for users** (types, actions, reducer, containers)	Frontend

Task Organization

Week	Topic	Side
5	● Design of components and **homepage** ● Related **state management for movies** (types, actions, reducer, containers)	Frontend
6	● Design of components and **details page** ● Related **state management for movies** (types, actions, reducer, containers)	Frontend
7	● **Tests** for redux actions for both movies and user ● **Tests** for overall application behaviour	Frontend - Testing
8	● Project **documentation** ● **Deployment** on Heroku	Both

Lessons Learned

- **React** and **Redux**: functional components and state management

- **MongoDB** and **Mongoose**: relations

- **Testing** with Jest: frontend

- **Deployment** with Heroku

- **General**: do not implement functionalities on the backend which are not certain to be used by the frontend at a later stage

Difficulties Found

- **State management** with Redux: store, reducers, persistor...They all seem to work like a blackbox

- **Frontend testing** with Jest: mock service workers and DOM queries

- **Multitasking**: simultaneously working on the project and preparing interviews and technical tests

Project Conclusions

- Dealing with a new product from scratch

- Applying all the knowledge gathered during the program

- Handling pressure and working in parallel

- Looking back and valuing progress: from limited understanding of the web to develop a fully functional project

- Appreciate the effort from the Assembler team:
  - Quality program
  - Interesting and varied contents
  - Flexibility and commitment

Thank You!

Time to give it a try on **fakeflix-themovieapp.herokuapp.com**