

# Hitchhiker's guide to cinema

## Final Report

### Introduction

Hitchhikers guide to cinema (h2gc) started a web page relying on the internet movie database (IMDb) Rest API to perform various searches. Search filters are already provided by the official web page and the related app (limited), but the most complex search criteria are not easily reachable (not present in app, not directly accessible from the web-page) and the forms to perform searches are not too satisfying (especially from mobile devices).

H2gc's goal is to provide a lightweight responsive page to perform searches easily.

Now the main features of the single page react app will be translated into a react native mobile app.

For further info about the original projects, features and goals, please refer to the doc related to the previous steps of the project (related to React course) available in:

<https://github.com/sterte/h2gc/tree/master/doc/Course%20-%20React>

### Design and Implementation

Mobile app implies to restructure the entire navigation system. The app is based on three main pages (Home, Login, PersonDetail, MovieDetail) accessible via drawer menu, and navigable among one another (i.e. from moviedetail → click director name → persondetail) via stacked navigator.

The single components basic structure isn't changed functionally changed, but everything has been translated (and the ui restructured) in a ReactNative mobile app fashion.

## Conclusions

Since the project does not rely on mobile functionalities and is designed to have a light responsive interface, the development of the mobile app won't go further than the present proof of concept developed for "didactic" reason.

The following of the project (backend definition, actual searches relying on IMDb REST API) will be continued as a single page React app, and not as a React Native mobile app

## References

- Previous Bootstrap version deployed at: <http://sterite.rf.gd/h2gc/>
- Previous React version deployed at: <https://h2gc-react.web.app/>
  - Current prototyping Rest API available at:  
<https://my-json-server.typicode.com/sterite/h2gc-api/>
- Current React Native source code and docs available at: <https://github.com/sterite/h2gc/tree/master/src/ReactNative/h2gc>
- IMDb web page: <https://www.imdb.com/>
  - IMDb advanced searches section: <https://www.imdb.com/search/>
- IMDb Rest API: <https://rapidapi.com/apidojo/api/imdb8>