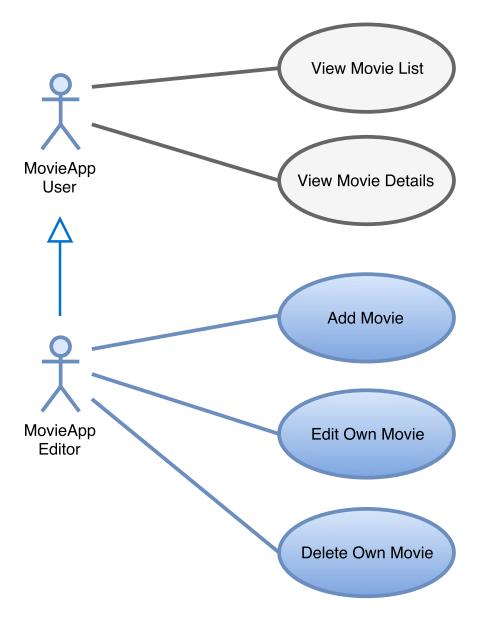




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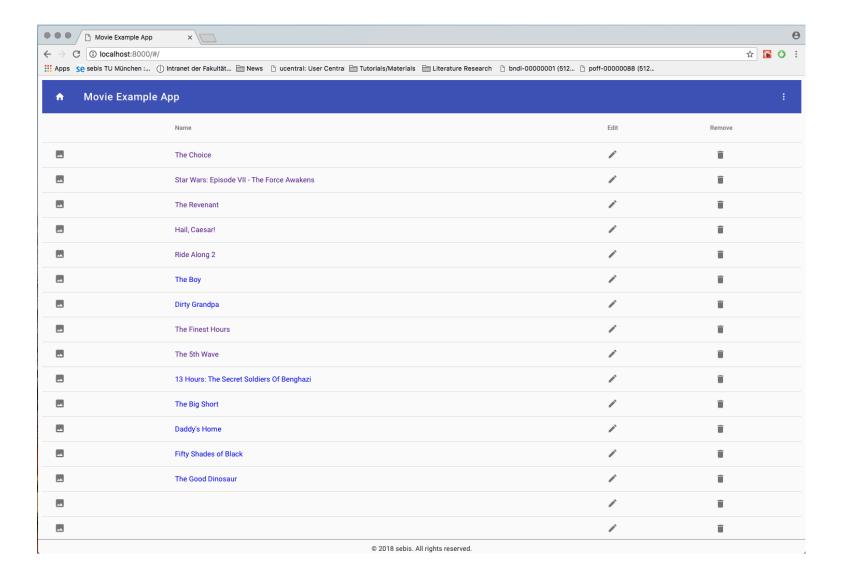
Movie App Use Cases





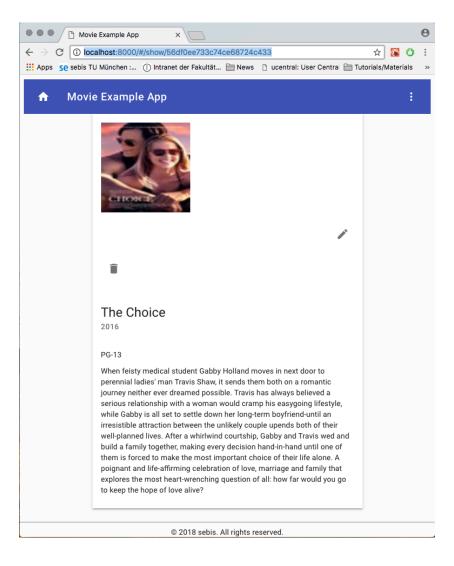
Movie App Screenshots (1)

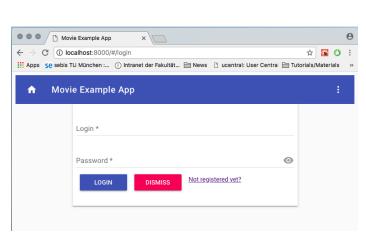


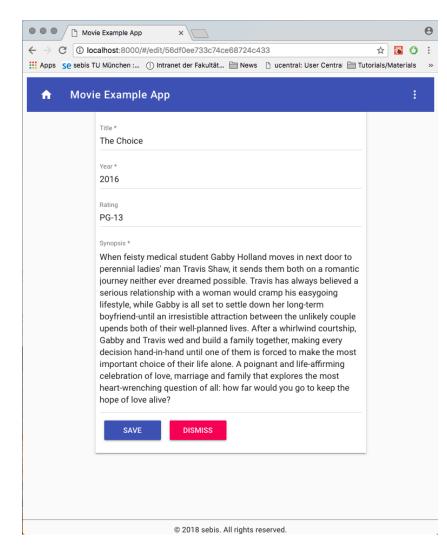


Movie App Screenshots (2)







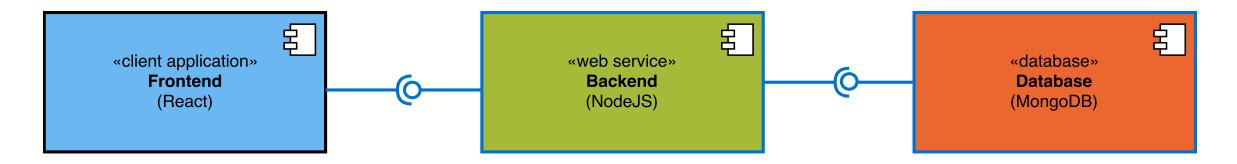




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Movie App Logical Architecture

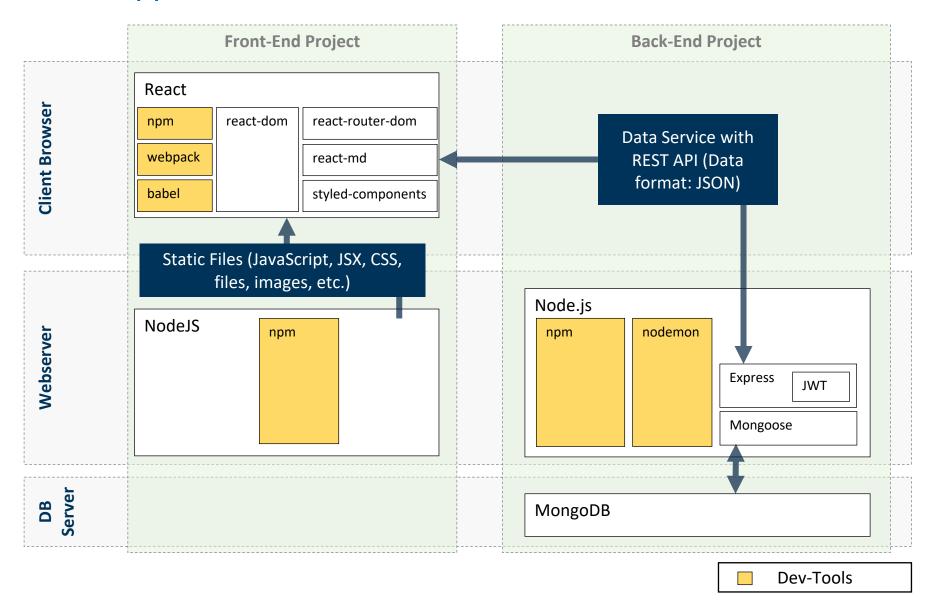




Movie App Component Diagram

Movie Application Overview







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Movie App Frontend: Application and Development Dependencies



Application Dependency	Description
React / React-DOM	The React core libraries
React-Router	React community library that facilitates navigation
React-MD	React community library that provides Google Material Design styles
Styled Components	React community library that facilitates tailored styling of components
Webfont-Loader	Library that facilitates the inclusion of remote web fonts

Development Dependency	Description
Webpack	JavaScript module bundler (generates optimized assets (JS, CSS, Images) for the production stage, provides different loaders (Babel, CSS, HTML,) and a development server/middleware for the development stage
Babel	JavaScript transpiler that converts ES6 and JSX into browser-compatible JavaScript (e.g. ES5)
CSS-Loader	Library that loads CSS resources
HTML-Loader	Library that constructs HTML resources and injects CSS & JS resources

Movie App Backend: Dependencies



Dependency	Description
Express	Server-side web framework based on NodeJS
Bcrypt	Library that helps to hash passwords
BodyParser	Library that parses web requests (marshalling/unmarshalling)
JWT	JSON Web Token (JWT) library for authorization
Mongoose	MongoDB object-to-document-mapper including MongoDB access
Helmet	Library for securing Express applications by setting HTTP headers

Development Dependency	Description
Nodemon	Restarts application when changed files are saved

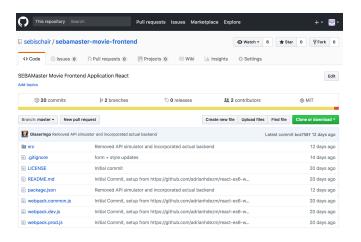


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Git Repositories



Frontend Repository:



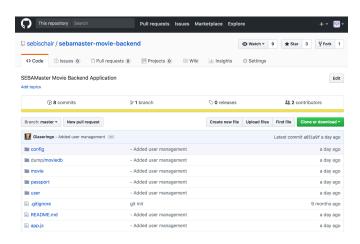
Website: https://github.com/sebischair/sebamaster-movie-frontend

Checkout: https://github.com/sebischair/sebamaster-movie-frontend.git

Backend Repository:

Website: https://github.com/sebischair/sebamaster-movie-backend

Checkout: https://github.com/sebischair/sebamaster-movie-backend.git



Installation steps



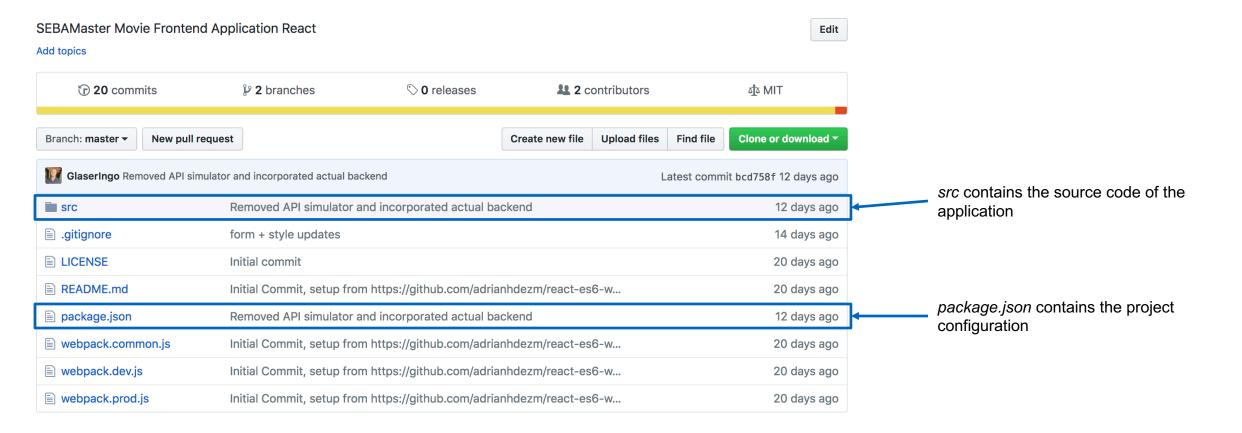
- Install favorite **IDE**, if none installed yet. We recommend WebStorm: https://www.jetbrains.com/webstorm/ (free license available for TUM students)
- 2. Clone and install the SEBAMaster Movie App Backend
- 3. Follow the installation instructions given for the Movie App Backend https://github.com/sebischair/sebamaster-movie-backend (provided under link in more detail):
 - 1. Install nodejs, if not installed yet
 - 2. Install mongodb, if not installed yet
 - 3. Run "npm install"
 - 4. Load sample database data
 - 5. Run server application with "node server.js" (from backend root directory)
- 4. Clone and install **SEBAMaster Movie App Frontend**
- Follow the installation instructions given for the Movie App Frontend https://github.com/sebischair/sebamaster-movie-frontend: (provided under link in more detail):
 - 1. Run "npm install"
 - 2. Run "npm run build"
 - 3. Run frontend application with "npm start"
 - (Chrome Browser should start automatically, otherwise open http://localhost:8000)



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Movie App Folders & Files: Frontend

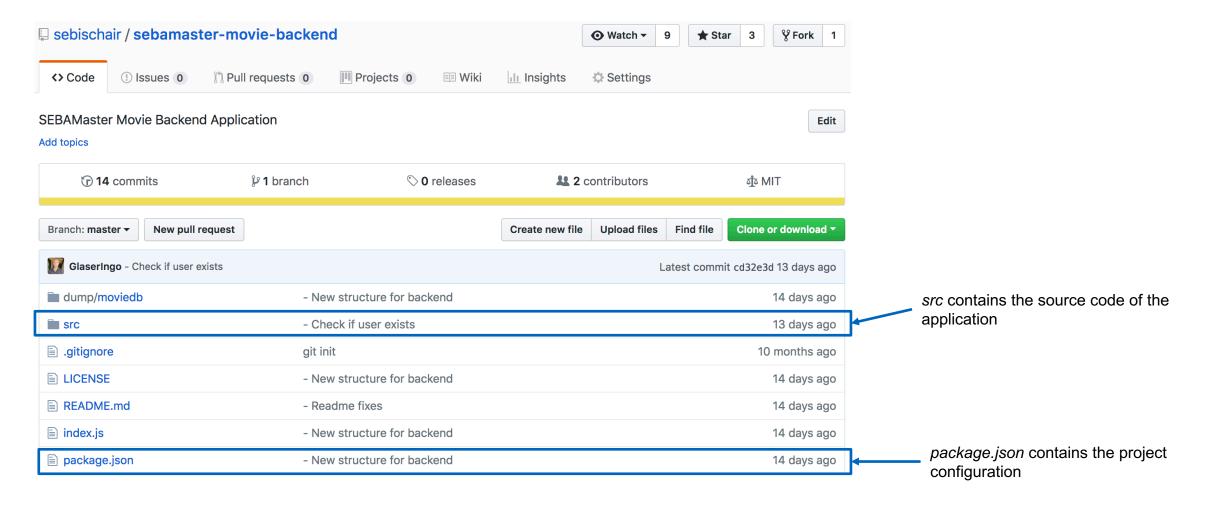




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Movie App Folders & Files: Backend

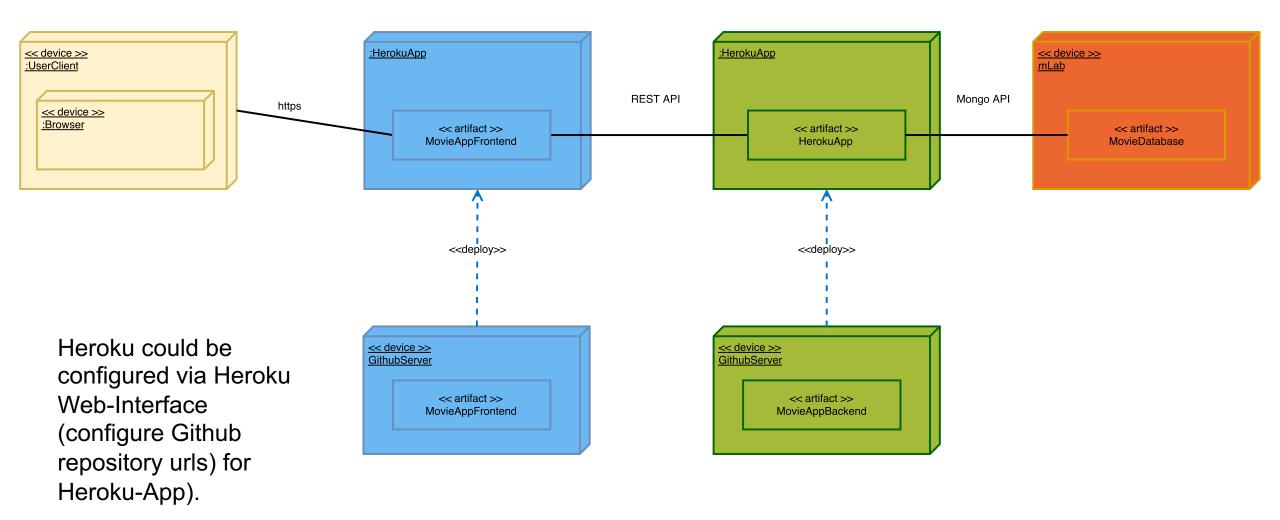




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Movie App Deployment to Heroku (via Continuous Integration)





Movie App Deployment Diagram

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Movie App Variants & Deployments



We provide the source code for the backend and the frontend application on Github.

The frontend application has two branches:

- 1. Master branch: Regular Movie App
- 2. Serverless branch: This version of the Movie App frontend has dummy data and can work without the backend application running

We provide a deployed Backend on Heroku: https://seba-movies-api.herokuapp.com/

You can also host your database on mLab: https://mlab.com/



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DEMO



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Do you have questions?

https://tweedback.de/pf19/



https://tum-conf.zoom.us/j/96371352799?pwd=dHBVZ0tDOUIJTUImd3R1N3dWaTNZUT09