This TFM is divided in two projects.

The first one is called eReview and it has been performed using Oracle BPM 11g and Oracle database. Its aim is to implement a process in order to review and approve new drugs for a multinational pharmaceutical company. Here, we describe how this project was made and we focus on the frontend development, which was done with several new client-side technologies. Some of them are:

- TypeScript: it increases the functionality of JavaScript.
- React: a library for creating user interfaces.
- Material Design UI: a set of design rules.
- Redux: an architectural pattern instead of the classic MVC.
- Webpack: a compiler and a code bundler.

The second project is done with Bonita BPM 7.2 and Microsoft SQL Server database. The target is to implement the business processes of an insurance company with Bonita BPM. Currently, this project is not finished yet, in fact, it will not be completed until 2017. However, here we talk about the tools we are using to develop it. For the backend development we use “Bonita Studio” IDE, which allows us to create the processes and interact with our database. In order to build user interfaces, we use a tool called “UI Designer” that makes use of Bootstrap and AngularJS JavaScript frameworks.

**Materias o Palabras Clave (máximo 5) / Gaiak edo hitz gakoak (gehienez 5)**

TypeScript, React, Redux, BPM, Bonita