Figure 6: Information for traceability

4.3 Architecture

The design of our architecture ad hoc, meet our requirements. This is the creation of tool ready-to-use and of easy access. In this regard, as a user we want a web application where any user may be capable to build a corpus given a query, the same query a user may do through GitHub. This design was inspired by the fact that technical barrier sometimes remove the attention on the main objective, which for us is the discovering of requirements-related information. It is worth to mention, that exists a tool form dumping information from GitHub on demand [17] that certainly covers more information than just readmes, but several steps are needed to get it. The following figures (Figure 7, Figure 9, Figure 10) show the tool architecture with an implementation vision.

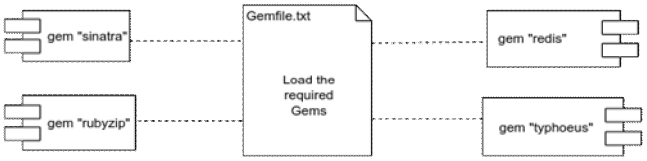

Figure 7: Libraries used

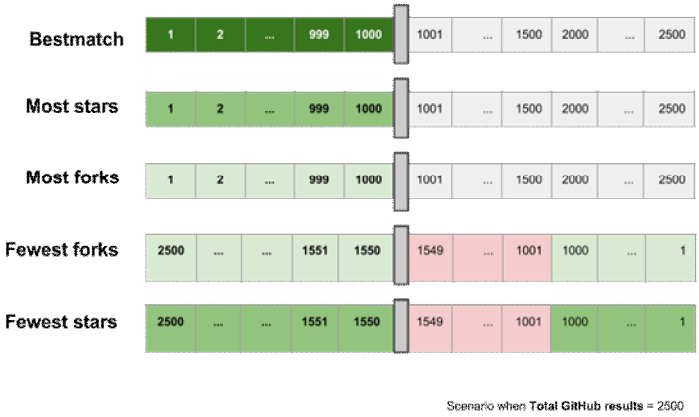

Figure 8: Retrieval of readmes combining sorting options

Those libraries permits the extraction and construction of a corpus in a web browser, taking into account that the quantity of readmes to be requested sometimes may be high, and this kind of load could affect the browser performance.

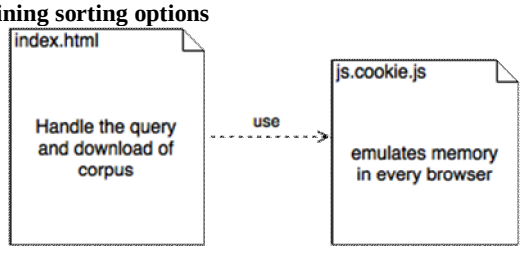

Figure 9: The view layer