DESIGN OF APPLICATION PROGRAMMING INTERFACES (APIs)

ABSTRACT

A first exemplary method implementation for designing an application programming interface (API) includes: preparing multiple code samples for a core scenario, each respective code sample of the multiple code samples corresponding to a respective programming language of multiple programming languages; and deriving the API from the core scenario responsive to the multiple code samples. A second exemplary method for designing an API includes: selecting a core scenario for a feature area; writing at least one code sample for the core scenario; and deriving an API for the core scenario responsive to the at least one code sample. A third exemplary method for designing an API includes: deriving an API for a scenario responsive to at least one code sample written with regard to the scenario; performing one or more usability studies on the API utilizing multiple developers; and revising the API based on the one or more usability studies.

Figure 4