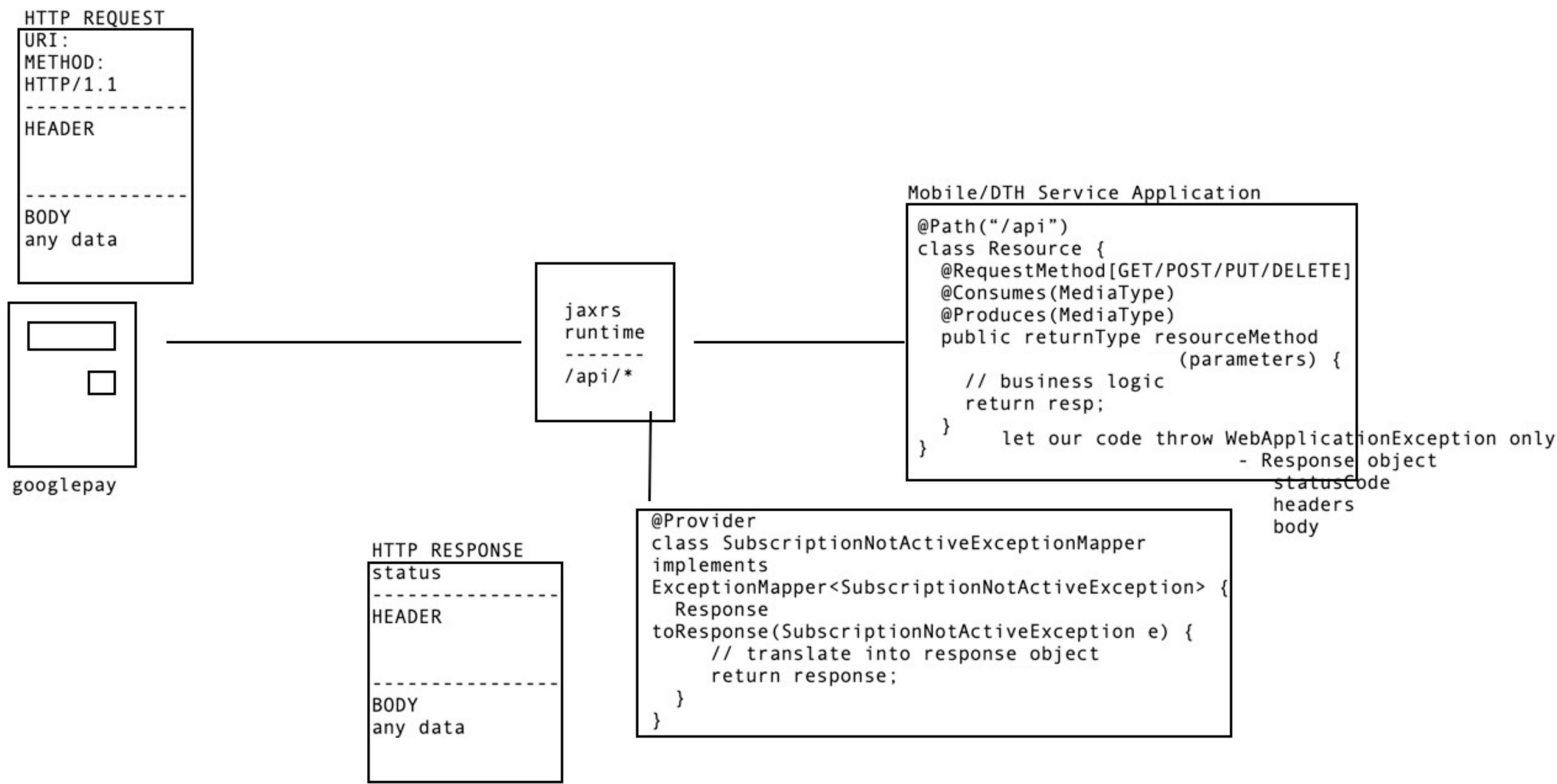


Exception Handling



1. Java applications always reports the failures interms of Exception. If a resource class while performing the processing has ran into an Exception, it should not eat the exception and return dummy returnValue, it should always report the exception by throwing it

When the resource class throws an Exception:
- The Exception will not be propagated to the client application, because only java language has the aspect/concept of exceptions to report errors, and other languages doesnt have an exception representation. The Restful services is an interoperable distributed applications, thus should support any platform and any language applications as client/server, so we cannot propagate exceptions to the client.

2. In java application we have #2 paths of execution
- 2.1 success path = incase of success java application methods returns returnValue
 - 2.2 failure path = while the methods runs into errors/failures, they report them using exceptions

Where as in HTTP protocol there is only a request/response path of communication exists there is no exception/error path for failure. Even the errors are also reported to the client as Response only. So to differentiate the client whether a response is success or failure http protocol has introduced status code.

So when the resource class has reported an exception the jaxrs runtime translates this exception into error response and dispatches to the client.