authenticated in the one or more further transaction requests using the enrolled authentication mode.

[0082] At block 309, upon successful signing using the linked key pair, the method (300A) includes executing, by the authentication system (104), the first payment transaction request.

[0083] FIG.3B depicts a flowchart illustrating a method (300B) of enabling network authentication using device level authentication controls, in accordance with some non-limiting embodiments or aspects of the present disclosure.

[0084] As illustrated in FIG.3B, the method (300B) includes one or more blocks illustrating a method (300B) for network authentication using device level authentication controls. The method (300B) may be described in the general context of computer executable instructions. Generally, computer executable instructions can include routines, programs, objects, components, data structures, procedures, modules, and functions, which perform functions or implement abstract data types.

[0085] The order in which the method (300B) is described is not intended to be construed as a limitation, and any number of the described method blocks can be combined in any order to implement the method (300B). Additionally, individual blocks may be deleted from the methods without departing from the spirit and scope of the subject matter described herein. Furthermore, the method (300B) can be implemented in any suitable hardware, firmware, or a combination of hardware and software.

[0086] At block 311, the method (300B) includes receiving, by an authentication system (104), a second payment transaction request from a user device (102) and an authentication mode as an input from a user.

[0087] At block 313, the method (300B) includes verifying, by the authentication system (104), user authentication based on comparison of an input authentication mode and a pre-registered authentication mode set by the user.

[0088] At block 315, upon successful verification of the user, the method (300B) includes signing, by the authentication system (104), one or more transaction elements associated with the second payment transaction request using a key pair (210) linked with the pre-registered authentication mode.

[0089] At block 317, upon successful signing using the linked key pair, the method (300B) includes executing, by the authentication system (104), the second payment transaction request.