

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] FIG. 1 shows a block diagram illustrating a cloud based transaction systems 100, according to embodiments.

[0010] FIG. 2 shows a flowchart illustrating an interaction processing method according to embodiments.

[0011] FIG. 3 shows a flowchart illustrating communication details between first and second software modules according to embodiments.

[0012] FIG. 4 shows a block diagram of a building access system according to embodiments.

DETAILED DESCRIPTION

[0013] Prior to discussing embodiments of the invention, some terms can be described in further detail.

[0014] A “mobile device” may be a device that is operated by a user. Examples of user devices may include a mobile phone, a smart phone, a card, a personal digital assistant (PDA), a laptop computer, a desktop computer, a server computer, a vehicle such as an automobile, a thin-client device, a tablet PC, etc. Additionally, user devices may be any type of wearable technology device, such as a watch, earpiece, glasses, etc. The user device may include one or more processors capable of processing user input. The user device may also include one or more input sensors for receiving user input. As is known in the art, there are a variety of input sensors capable of detecting user input, such as accelerometers, cameras, microphones, etc. The user input obtained by the input sensors may be from a variety of data input types, including, but not limited to, audio data, visual data, or biometric data. The user device may comprise any electronic device that may be operated by a user, which may also provide remote communication capabilities to a network. Examples of remote communication capabilities include using a mobile phone (wireless) network, wireless data network (e.g., 3G, 4G or similar networks), Wi-Fi, Wi-Max, or any other communication medium that may provide access to a network such as the Internet or a private network.