SYSTEM AND METHOD FOR BUILDING MIXED MODE EXECUTION ENVIRONMENT FOR COMPONENT APPLICATIONS

Abstract

A device runtime environment is provided for execution on a computing device. The device runtime environment provides an intelligent container for an application at runtime and comprises a plurality of services in communication with each other. The plurality of services a data manager, a screen manager, a communication service and a script interpreter. The data manager manages data components of the application including manipulation and persistence in a database of the data components. The screen manager managing screen components of the application and renders an output for display on a screen of the computing device. The communication service sends messages to external resources and receives and manages messages sent from external resources in accordance with corresponding message components. The script interpreter dynamically interprets script embedded in at least one of the data components, screen components, and message components and relays the interpreted output to the corresponding component manager for implementation. A method for implementing an application on the device in accordance with the above and a computer readable memory for storing instruction to implement the method are also provided.

Figure 5