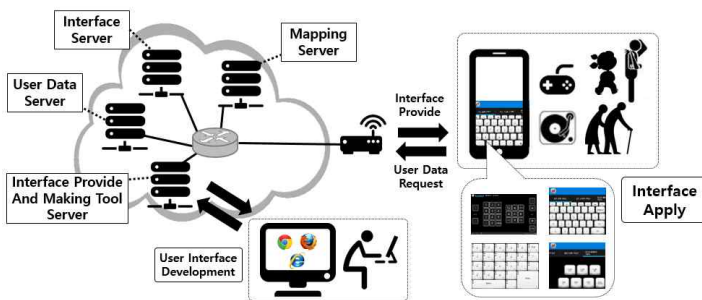


User-Customized Smart Mobile Platform Technology for Smart Work & Space Environment

Motivation

- ❖ Interface implementation for users varies especially for smart phones and tablet PCs.
- ❖ Recently demand of smart mobile device has increased as did the usage of software interface. But the provided interfaces have limits.
- ❖ This project seeks to adopt network-based cloud environment and smart mobile environment to provide users with customized dynamic interface adequate for different environments.

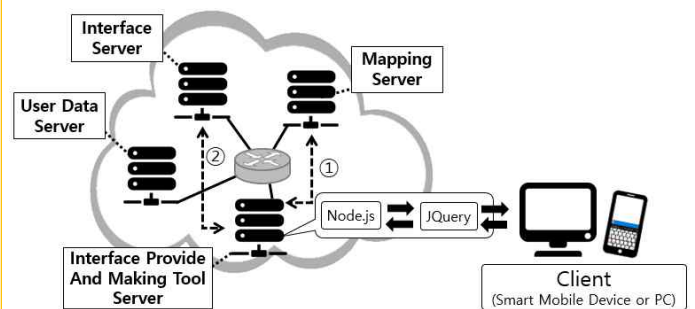
Server System Design



Cloud System Architecture for Providing an Interface

- ❖ The cloud system environment has four types of servers, each server has the data management function of MongoDB based.
- ❖ Interface server stores created interface layouts and user server stores the user information.
- ❖ User use interface creation tools on the server to share created interface that can be used by other users.
- ❖ Mapping server stores just the user ID and interface ID information for efficient management.

Applications and Interface Display



Platform Structure for Making the System Interface

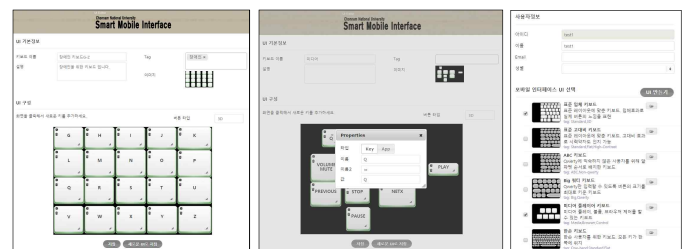
- ❖ This project provide a web-based platform in the cloud for users to create custom interfaces.
- ❖ In this Platform production system there is no need to install a separate SDK for using a Web browser, anytime and any-where, you can use the interface platform.

Interface Platform based on Cloud



Provides a Custom Interface Depending on the Application Environment

- ❖ User-customized interface can be access with their ID and Password.
- ❖ Applications supports the slide mode and allow you to quickly change your preferred interface.



The Production Platform Interface

- ❖ The user interface platform is provided via a web browser. The user uses a mouse or fingers to set the interface size, position, and key values.
- ❖ The interface has input function keys to type in documents and function keys for video and music player, and also for a variety of applications such as games. (e.g. designated function keys, such as volume up or volume down)