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Multiplatform Lecture Hall Display System using L.A.M.P Integration



PRODUCT DESCRIPTION

- Display devices which are widely used nowadays are usually equipped with interfaces suitable for personal computer, such as VGA, HDMI and DVI. However, mobile devices such as smartphone or tablet rarely have these kinds of interfaces, disallowing them to connect to display devices.
- Thus, this Wireless Multiplatform Display System is a system invented with the objective of providing a display system which is easily accessible by any type of mobile devices. It can be connected simply through WiFi, which is highly available in most personal devices.

SYSTEM OPERATION

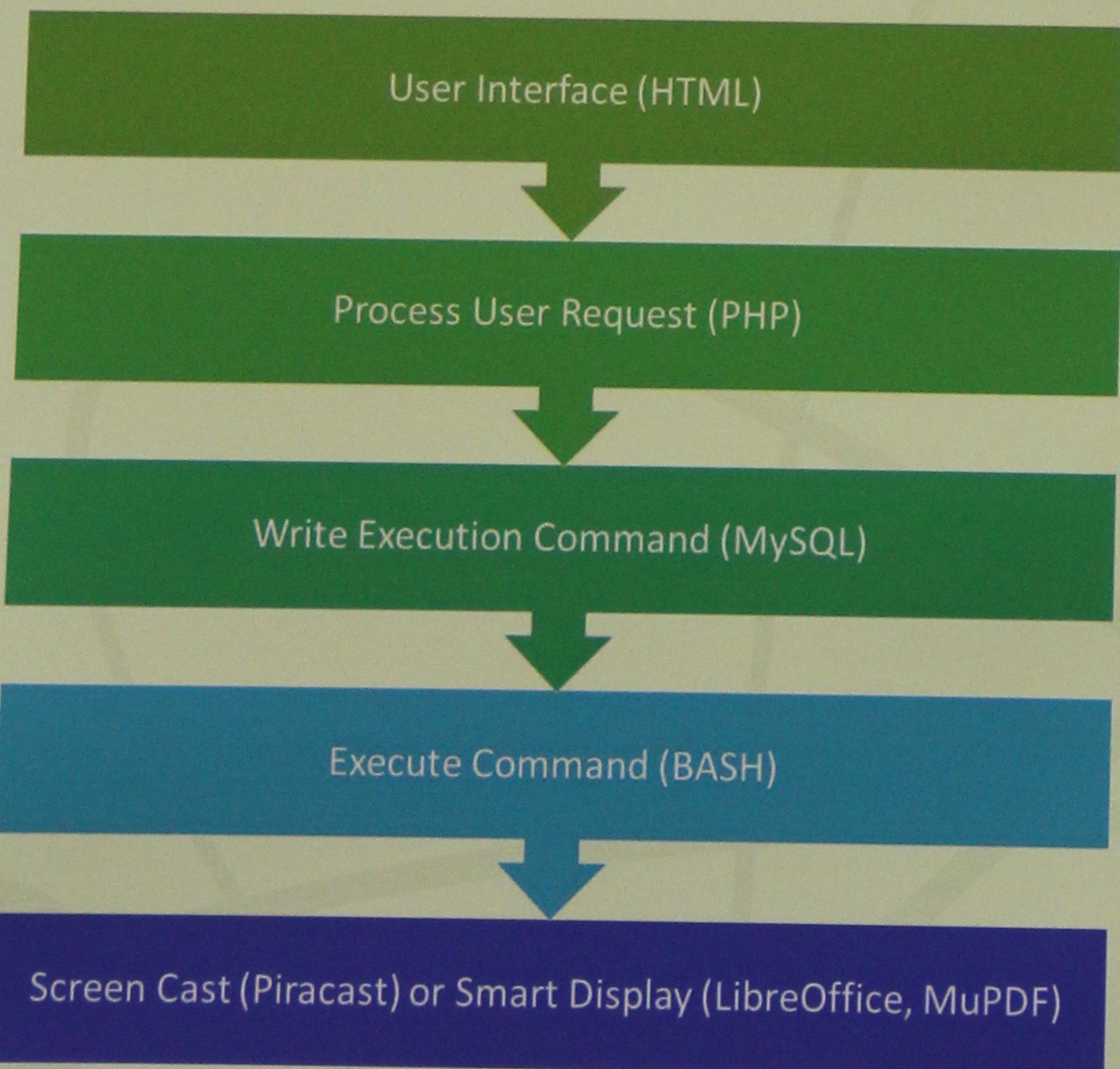
User needs to connect to the wireless access point broadcasted by the device. The user will then needs to open a web browser in order to access the initialization webpage. On the webpage, user can choose between two options, the screen cast or smart display. The following are the details about the two choices:

- Smart display function is a web based application which allows its user to upload files. The file will then be displayed on the screen
- The screen cast function enables users to share their phone's display directly to the display screen. This is limited to Android devices which have the screen cast or screen mirroring function.



Smart Display Function

PROCESS FLOW



Screen Cast Function

PRODUCT ADVANTAGES

- The advantages and the novelties of the product:
- Provide easy access to display devices
 - Not device dependent (Multiplatform)
 - Highly available interface (WiFi and Web Browser)
 - Increases work efficiency