

## Mobile innovative display system of library service hours

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Library staffs are often asked about its opening hours and service hours by off-site patrons. It is profitable for both library staffs and patrons if open/closed information of various library services is displayed on mobile phone screen.

By using the CGI scripts that I originally created and some image files, it is possible for libraries to indicate whether their services are available or not automatically. These CGI systems can be run on the mobile version of Google Maps and also be linked with other functionalities, such as library locating systems and RSS. For example, in these systems, patrons can identify easily which libraries are now open, which libraries will open tomorrow, and which libraries will open the day after tomorrow and so on. With library locating systems by CGI scripts, patrons can retrieve some libraries in specific areas and then find whether libraries are now open, closed or closing within one hour by showing green, red and yellow icons like traffic signals. Green icon shows open, red icon shows closed, and yellow icon shows closing within one hour.

These visual switching systems by time allow patrons to scrutinize whether library services are in operation or not much more quickly than the systems that show the opening and service times only by figures.

These CGI systems apply not only libraries but also other cultural facilities, such as museum and archives, and business sectors, such as book stores.

The development of these CGI systems clarified how library opening hours were shorter than book stores and how often libraries were closed irregularly.

For upgrading of library services, it is significant to show time information to patrons punctually in Web 2.0 era. Many library sites, including mobile sites, are lack of this.