

Figure 1

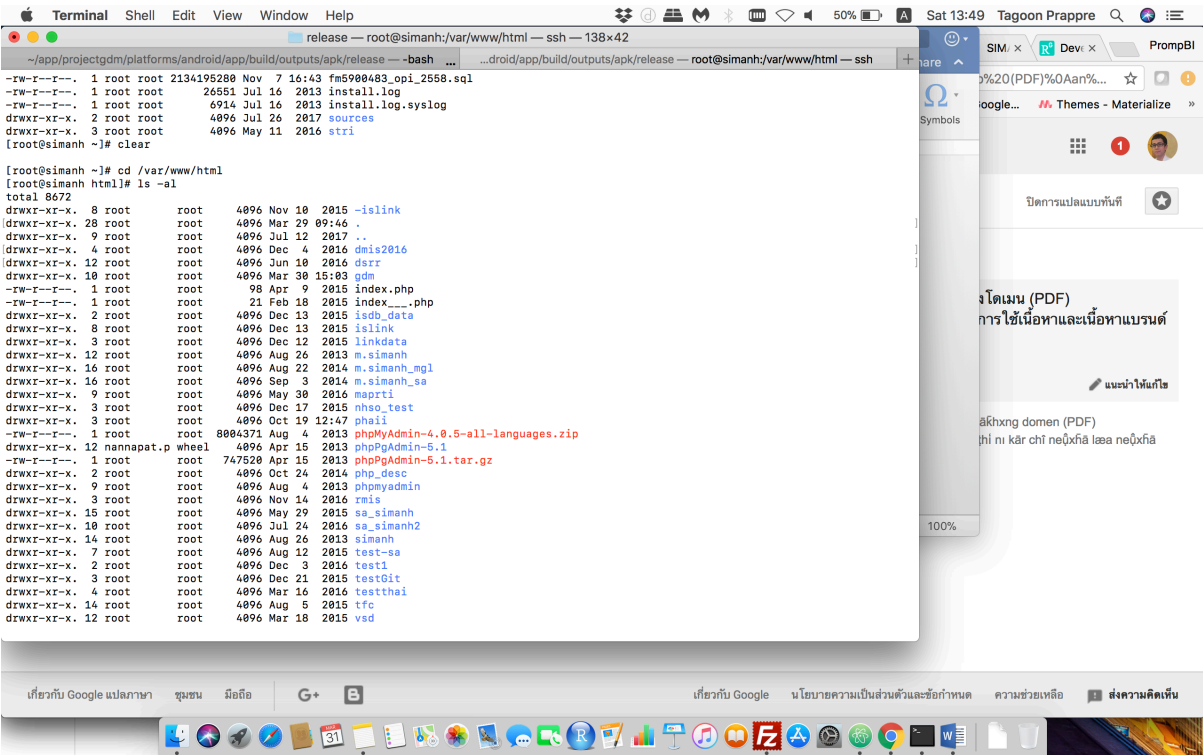


Figure 2

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## Development of a web-based epidemiological surveillance system with health system response for improving maternal and newborn health: Field-testing in Thailand

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**Abstract**  
Surveillance systems are yet to be integrated with health information systems for improving the health of pregnant mothers and their newborns, particularly in developing countries. This study aimed to develop a web-based epidemiological surveillance system for maternal and newborn health with integration of action-oriented responses and automatic data analysis with results presentations and to assess the system acceptance by nurses and doctors involved in various hospitals in southern Thailand. Freeware software and scripting languages were used. The system can be run on different platforms, and it is accessible via various electronic devices. Automatic data analysis with results presentations in the forms of graphs, tables and maps was part of the system. A multi-level security system was incorporated into the

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