getNote Android® Application

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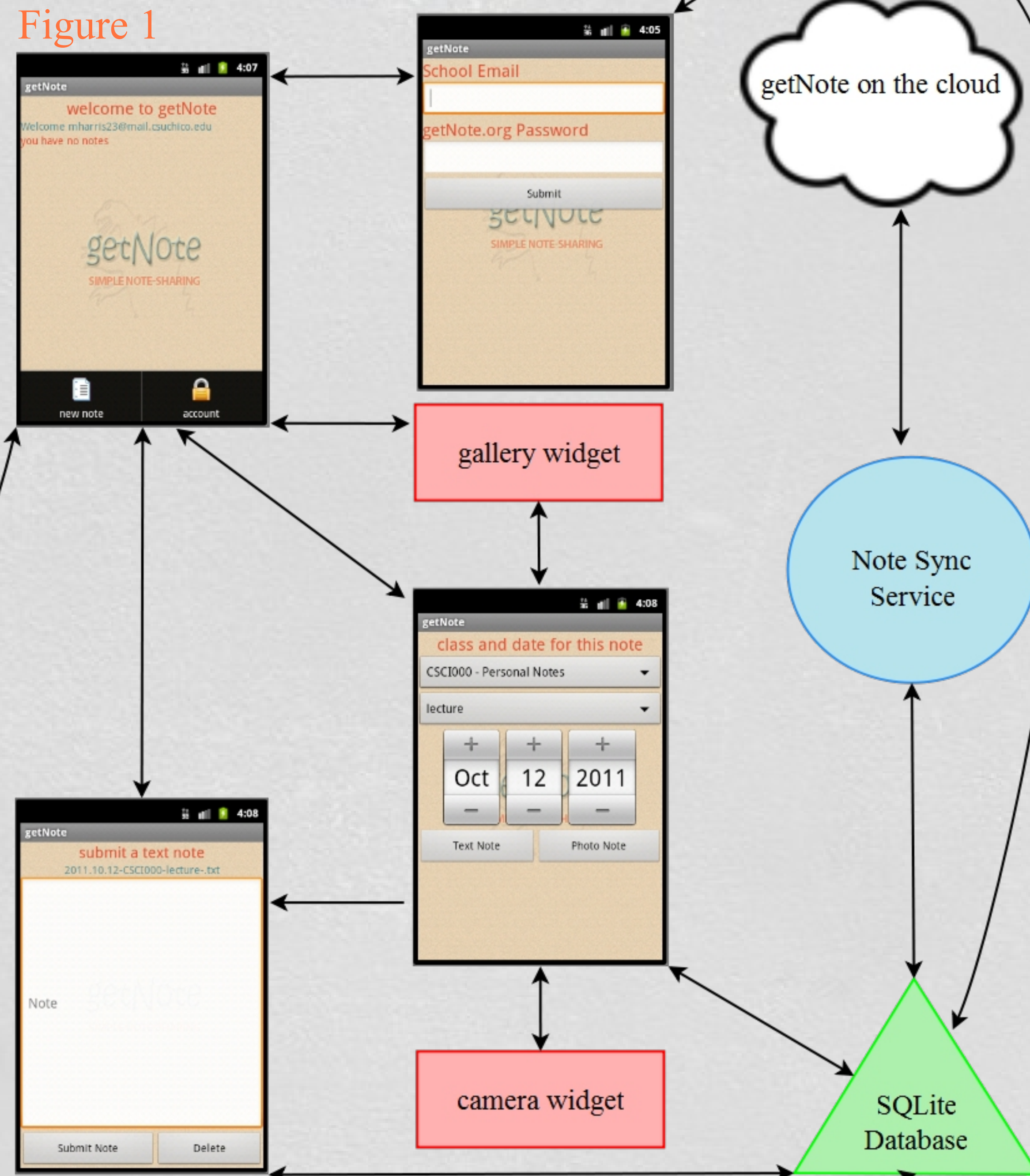Fall 2011

getNote Workings

getNote.org runs on a LAMP (Linux©, Apache©, MySQL® PHP©) server, and the getNote mobile application is built using the Android® SDK, written in the Java© language. Each runs completely independently, and they use JSON (Javascript Simple Object Notation) delivered via HTTP request/response cycles to communicate with each other, as seen in figure 1. getNote performs user authentication; if the mobile application user is a valid site user, then the mobile application synchronizes their device and the site's back end, using standard HTTP connections to custom PHP pages. getNote then passes data back and forth between their device and the site's back end by HTTP POST using JSON encoded data.

Figure 1

getNote on the cloud

Note Sync Service

gallery widget

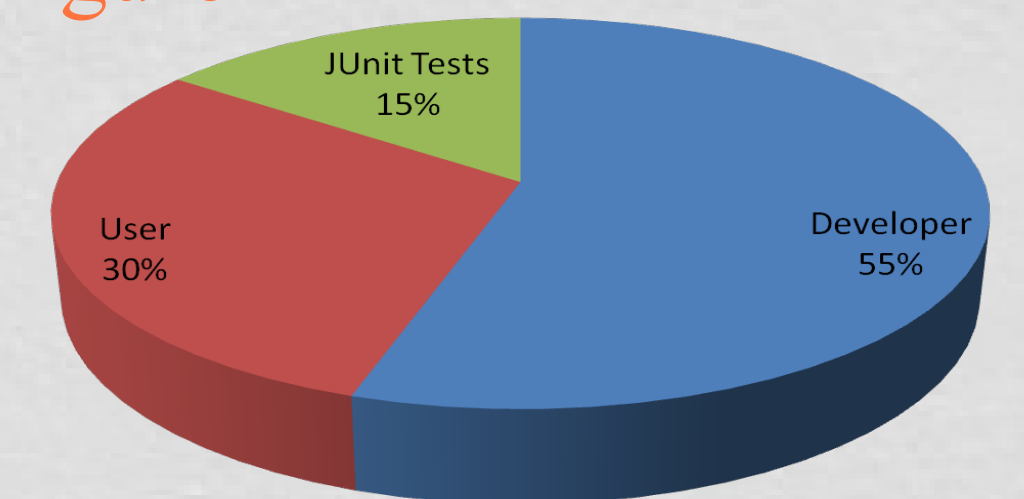camera widget

SQLite Database

Application Functions

The getNote application allows users to take, review, update, and delete text notes. If the user has a getnote.org account they can synchronize the application with their account. This functionality is outlined in figure 1. The user can take, review, and delete photo notes with their device, which are currently only available on their device.

Application Testing

The getNote application has been tested by the developer, users, and with JUnit tests. A break down is shown in figure 2.

Figure 2

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