Creation of an SMS API & UI to Provide a Notification Service

Kyle Edmund Hayes

BSc Applied Information Technology, rt003104@reading.ac.uk

ABSTRACT

This SCARP paper is about the Send, Receive and Store function of the API and Web User Interface. It starts off by discussing what this project is about and its initial conception, as well as why SMS is the better option for notifying students about lecture changes instead of Social Media. The paper then goes on to discuss how the service is designed to use Twilio and looks at the REST method that text messages use to be sent to Students; and how when students reply to the system they get a message back. The paper then talks about how cookies help store conversations, and why all messages are stored in a database. Towards the end, the paper looks at the current customer interest in the project from CDoTL & the Department of Economics along with additional development of Voting and Question and Answer applications that can be used within a university.

Figure 1. Graph from resource manager