

## **ABSTRACT**

The “The Mobile SDK Licensing Manager” is an application which is aimed to make the customer registration process of “Reverie Language Technologies Pvt. Ltd.” in a easier and convenient way, which helps the customers of the organisation to place their requests for SDKs online. In the next part of the application the validation of the license of the application, which has been developed using Reverie SDK, is performed.

In the application “The Mobile SDK Licensing Manager” the customers can place their requests for SDKs after registering themselves to the Reverie website. The customers can select the type of SDKs they want by mentioning the version, platform etc. Based on their requests the administrator delivers the appropriate SDKs to the registered customers. After the application has been developed using the Reverie SDK, its license needs to be validated. For this purpose an Android Application has been developed which works as an SMS Broker between the handset, where the application is installed, and the server. After successful installation of the application, an SMS will be sent from the handset to the Android application which posts the message to the server and the appropriate handling of the message is done in the server.

The system is developed with a front-end web interface using JavaScript, HTML, AJAX and CSS and a back-end database MySQL. Server side language PHP is used which could be considered front-end as they are used to dynamically generate the front-end page for the user. For the android SMS broker, android java is used which performs HTTP post to forward the message to the server. For the message handling part in the server, java is used.