

Software

Requirements

Specification

for



SMS SERVER IN COMMUNICATION DOMIAN

Version 1.0 approved

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1. Introduction

1.1 Purpose :

An SMS Gateway ***enables a computer to send and receive SMS text messages to and from a SMS capable device over the global telecommunications network*** (normally to a mobile phone). The SMS Gateway translates the message sent, and makes it compatible for delivery over the network to be able to reach the recipient.

1.2 Document Conventions:

Here the user is us and the font is written in the 2 styles in ms word.

1.3 Intended Audience and Reading Suggestions :

The suggestions of reading this is should be in correct sequence. If you miss any thng we cannot understand anything.

1.4 Project Scope :

➡ This project requires building a prototype SMS client that can integrate with EVI Communication profile and a number of hosted SMS gateway.

- The prototype is built in form of Web Services. The project also require developing a Web application that use the prototype. Those Web services will later be used for EVI SMS integration.

- ■ Be able to connect to any SMTP, HTTP and SMPP SMS gatewaysBe able to dynamically change the binding to any gateway during run-time

- Support Two-Way SMS capabilities.

- Cover all SMS network in US and EU

- Be able to integrate with EVI Communication profiles

1.5 References :

We used the information from your own and other through internet.the browser is used is www.google.com

2. Overall Description

2.1 Product Features:

Send sms, recive sms, Delivery Reporting, Go International, Scheduled Messaging, Voice Message, Delivery Reporting.

3. system Features:

- Bulk SMS and MMS. With high throughout and premium service, an SMS broadcast sends large amounts of text messages and multimedia messages (MMS) at one time. ...
- Two-way texting. ...
- Email-To-SMS. ...
- Dedicated virtual number. ...
- Plugins and API integrations. ...
- Contact List. ...
- Automate SMS.

4.1 User Interfaces

1. home page
2. login page
3. registration page
4. inbox page
5. sending page
6. reading page
7. group detail page
8. help page

4.2 Hardware Interfaces:

Hardware SMS gateway is a kind of device that allows you to send SMS without an internet connection. **It sends the messages directly to GSM, 3G or 4G supported modems.**

4.3 Software Interfaces:

ProTexting is an SMS marketing platform designed for businesses in all industries. It provides easy to use way to communicate with your customers through group text messaging with emoji and MMS support. You can create text messaging campaigns for mobile surveys, voting, text in questions, text 2 screen, etc.

Communications Interfaces:

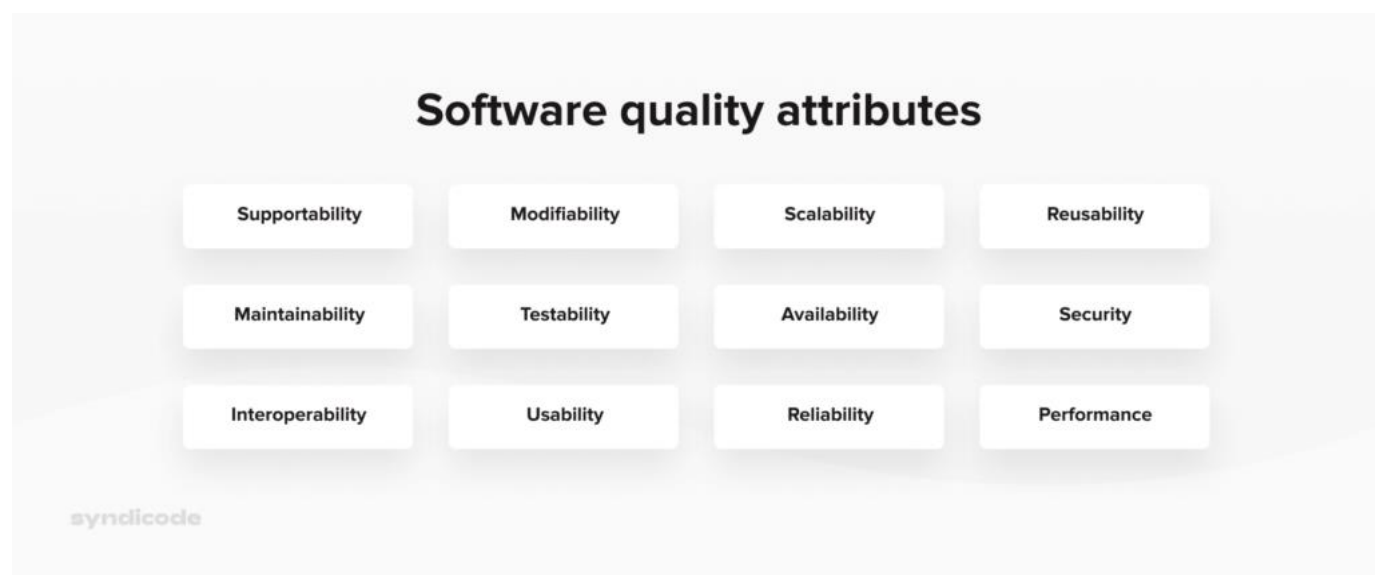
After setting up an account with a wireless carrier or an SMS service provider, you can start sending SMS messages using a protocol / interface supported by the SMSC or SMS gateway. To communicate with an SMSC, an SMSC protocol is required. Most of these SMSC protocols are proprietary to the company that developed the SMSC. One widely used SMSC protocol is SMPP (Short Message Peer to Peer).

5. Other Nonfunctional Requirements

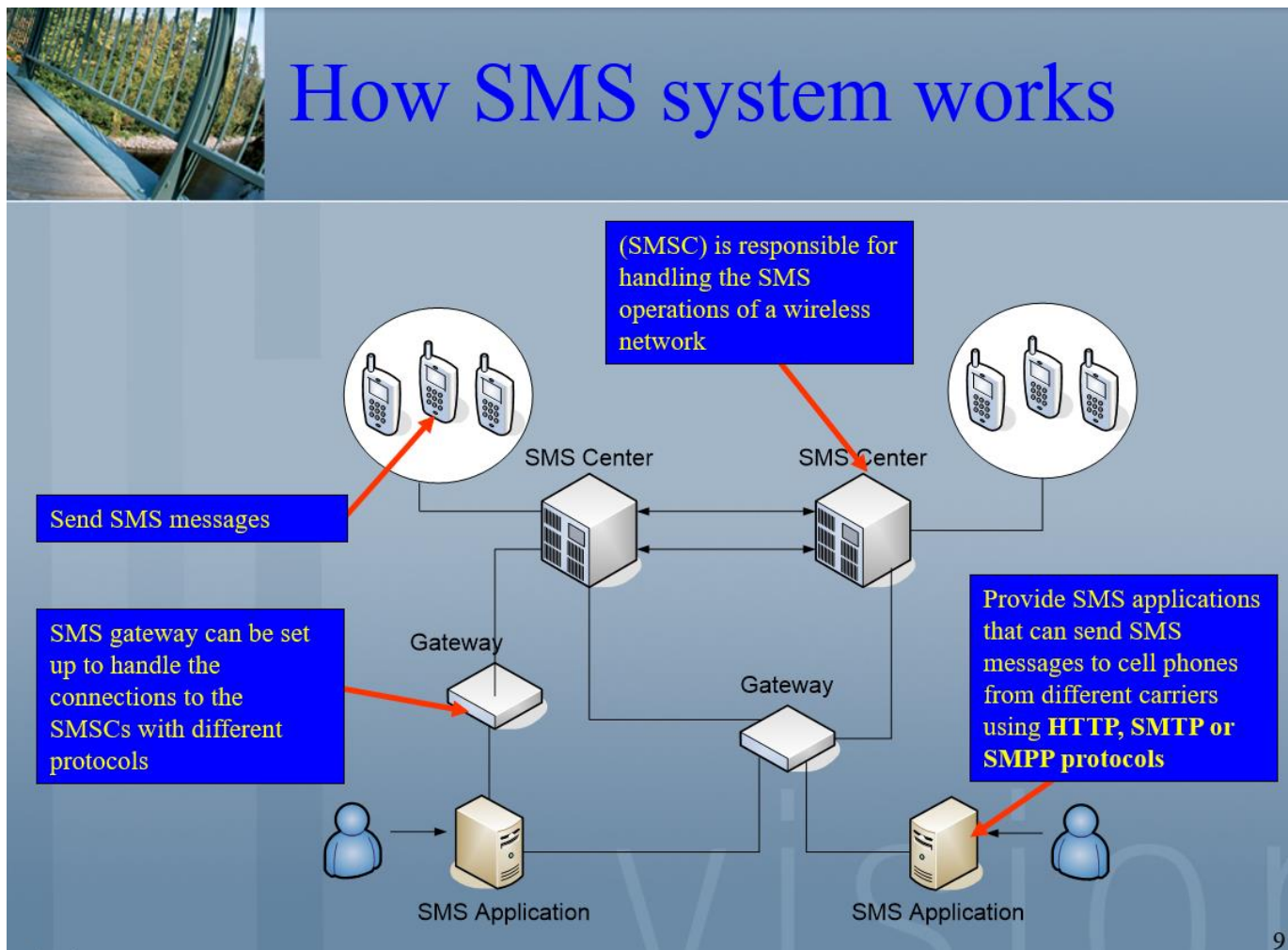
5.1 Safety Requirements:

The Four SMS Components Safety Policy Establishes senior management's commitment to continually improve safety; defines the methods, processes, and organizational structure needed to meet safety goals Safety Risk Management Determines the need for, Safety Promotion and adequacy of, new or revised risk controls based on the assessment of acceptable risk Policy SRM on Safety Assurance Evaluates the continued effectiveness of implemented risk control strategies; supports the identification of new hazards Safety Promotion Includes training, communication, and other actions to create a positive safety culture within all levels of the workforce"

Software Quality Attributes:



7.HOW SYSTEM WORKS:



8.CONCLUCION:

The requirements of the project is:

- The SMS Spot application has been developed to allow users to send and receive SMS messages.
- The application uses two SMS gateways which are Clickatell SMS Gateway for SMTP and HTTP/HTTPS protocols and Logica simulation gateway for SMPP. The application meets all the protocol. It has successfully sent and received the messages to and from mobile phone.

