# Application Development Report

**SUPPLY MEDIUM**

**Version 1.0**



**Report prepared by**

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# Revision Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Revision  Number | Revision  Date | Summary of  Document Changes | Author or  Editor | Page  Number |
| 1.0 | 19 Jan 2014 | Initial Document Ver 1.0 | Lokesh Kakkar | 5 - 18 |
| 1.1 | 31 Mar 2015 | First Deployment Ver 1.0 | Lokesh Kakkar | 19 |
| 1.2 | 15 May 2015 | Super Admin Panel Ver 1.0 | Lokesh Kakkar | 19 |
| 1.3 | 20 Jun 2015 | Clientele Page Deployment Ver 1.0 | Lokesh Kakkar | 19 |
| 1.4 | 25 Jul 2015 | Marketing Application Deployment ver 1.0 | Lokesh Kakkar | 19 |
| 2.0 | 19 Oct 2015 | Initial Document for Ver 2.0 | Lokesh Kakkar | 20 |

**We are still working on updation of Initial Document Ver 1.0 and other parts**

**This is just a sample work**

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# Overview

SupplyMedium is a trademark of Social Medium, Inc. Here we are trying to a cloud based community to help companies grow revenue, control costs and mitigate varied risks through better collaboration with trading partners.

By eliminating complexity and simplifying supply chain operations, SupplyMedium will enable its customers to create added value for their customers and directly impact the bottom-line. The solution will provide visibility and integration across the supply chain and bring down the cost of doing business by using automated processes that leverages critical business applications that are available on the Cloud using Amazon Web Services (AWS) Elastic Cloud Computing (EC2) model. Our SaaS solution will provide paperless Invoices, PO and Quote with the click of a button. Our accounting option is built around the idea of a single/general ledger allowing companies to perform all their accounting and bookkeeping requirements, conveniently in one place.

# Application Features

Application has following features as given below:

* Cloud Application
* Supply Chain Management
* Content Management
* Inventory Management
* Order and Transaction Management
* Social Networking and ecommerce
* EDI based RFQ, PO, Quote, Invoice, etc. for B2B integration
* Mobile Compatible (Android, iPhone)

# Main Website

**Website Link:** [**http://supplymedium.com**](http://supplymedium.com)

Website domain <http://supplymedium.com> is registered with <http://godaddy.com>

Website hosting is managed with <http://bigrock.in>

SupplyMedium’s main website is developed using open source CMS (Content Management System) Wordpress and back end database of main website is managed using open source MySQL.

Wordpress provides us facility to create / update your website, add/edit pages, add/edit posts, add/edit news and updates, add/edit FAQs within your website without knowledge of HTML/CSS/JS/JQUERY.

Any non-technical user can manage the website with Wordpress CMS.

**Name of Database: SM\_WEBSITE**

# Main Application

**Application Link:** [**http://supplymedium.in:8080/app/**](http://supplymedium.in:8080/app/)

Application domain <http://supplymedium.in> is registered with <http://bigrock.in>

Application hosting is managed with <http://pugmarks.in>

SupplyMedium’s main application is developed using following open source:

**Designing Tools**

* PhotoShop for Logo, User Interfaces and Brochures

**Front End IDE**

* Dreamweaver

**Front End Scripts/languages**

* HTML
* CSS
* JavaScript
* JQuery

**Back End Designing Tools**

* MySQL Administrator
* MySQL Query Browser

**Scripting IDE**

* NetBeans

**Programming Technology**

* Core Java/Advance Java

**Web Server**

* Tomcat Apache

# Types of Users

Application has following types of users as given below:

* Company Admin
* Intranet User
* Regular User

## Company Admin

Company Admin is the user who creates company account of application.

This user will have all rights and privileges to access the application.

## Intranet User

Intranet User is created by admin.

This user will have rights and privileges only to access home tab and corporate tab of the application.

## Regular User

Regular User is created by admin.

This user will have rights and privileges only to access home tab, corporate tab, search tab, buyers tab, suppliers tab, and transactions tab of the application.

# Database

## Name of Databases

* SM\_COMMON
* SM\_APPLICATION
* SM\_SUPER\_ADMIN
* SM\_MARKETING

## Common Tables

**Name of Database: SM\_COMMON**

These common tables have few default values to access within complete platform:

* BUSINESS\_CATEGORY\_MASTER
* COUNTRY\_MASTER
* STATE\_MASTER
* CURRENCY\_MASTER
* NAIC\_MASTER
* PRICING\_MASTER
* QUANTITY\_TYPE\_MASTER

### BUSINESS\_CATEGORY\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | BUSINESS\_CATEGORY\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | BUSINESS\_CATEGORY\_NAME | varchar(100)  not null |  |

### COUNTRY\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | COUNTRY\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | COUNTRY\_NAME | varchar(100)  not null |  |
| 3 | COUNTRY\_CODE | bigint  not null | ISD code of country |

**General Business Logic**

* **COUNTRY\_CODE:** ISD code of country is stored to display the value while company admin will register their company on platform and entering contact number
* **COUNTRY\_CODE:** ISD code of country will be displayed while generating RFQ, Quote, PO, Invoice related transactions

### STATE\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | STATE\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | COUNTRY\_KEY | bigint  not null | Foreign key with reference of field COUNTRY\_KEY from table COUNTRY\_MASTER |
| 3 | STATE\_NAME | varchar(100)  not null |  |

### CURRENCY\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | CURRENCY\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | CURRENCY\_CODE | varchar(3)  not null |  |
| 3 | CURRENCY\_NAME | varchar(100)  not null |  |

### NAIC\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | NAIC\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | NAIC\_CODE | bigint  not null |  |
| 3 | NAIC\_DESCRIPTION | varchar(1000)  not null |  |

### PRICING\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | PRICING\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | PLAN | varchar(50)  not null |  |
| 3 | MAX\_EMPLOYEE | bigint  not null |  |
| 4 | MAX\_TRANSACTION | bigint  not null |  |
| 5 | DISK\_QUOTA | bigint  not null |  |

### QUANTITY\_TYPE\_MASTER

|  |  |  |  |
| --- | --- | --- | --- |
| **FIELD**  **NO** | **FIELD**  **NAME** | **DATA TYPE**  **CONSTRAINTS**  **VALUES** | **DESCRIPTION** |
| 1 | QUANTITY\_KEY | bigint  primary key  not null | system generated time stamp value while inserting new record |
| 2 | QUANTITY\_CODE | varchar(3)  not null |  |
| 3 | QUANTITY\_DESCRIPTION | varchar(100)  not null |  |

## Application Tables

**Name of Database: SM\_APPLICATION**

Following tables are designed for application:

### Tables for Admin Tab

* COMPANY\_MASTER
* COMPANY\_MAILING\_ADDRESS\_MASTER
* COMPANY\_BUSINESS\_CATEGORY\_MASTER
* USER\_MASTER
* USER\_MAILING\_ADDRESS\_MASTER
* USER\_SETTING\_MASTER
* GROUP\_MASTER
* GROUP\_USER\_MASTER
* GROUP\_PERM\_MASTER
* DEPARTMENT\_MASTER
* DEPARTMENT\_USER\_MASTER
* DEPARTMENT\_GROUP\_MASTER
* FOLDER\_MASTER
* DEPARTMENT\_FOLDER\_MASTER
* DEPARTMENT\_PERM\_MASTER
* ACCOUNT\_POLICY\_MASTER
* COMPANY\_WEBSITE\_MASTER
* COMPANY\_ADVERTISEMENT\_MASTER
* BANK\_MASTER

### Tables for Search Tab / Buyers Tab / Suppliers Tab

* VENDOR\_REGISTRATION\_MASTER

### Tables for Home Tab / Corporate Tab

* INVITE\_MASTER
* WATCHLIST\_MASTER
* WATCHLIST\_MEMBER\_MASTER
* FEED\_MASTER
* FEED\_LIKE\_MASTER
* FEED\_COMMENT\_MASTER
* MESSAGE\_MASTER
* NOTIFICATION\_MASTER
* RATING\_MASTER
* CONNECTION\_MASTER

### Tables for Transactions Tab

* TERMS\_CONDITIONS\_MASTER
* PRODUCT\_MASTER
* TRANS\_RFQ\_MASTER
* TRANS\_RFQ\_ITEM\_MASTER
* TRANSACTION\_MASTER
* TRANSACTION\_ITEM\_MASTER
* INQUIRE\_MASTER

## Super Admin Tables

**Name of Database: SM\_SUPER\_ADMIN**

Following tables are designed for super admin application:

* SUPER\_ADMIN\_USER

## Marketing Tables

**Name of Database: SM\_MARKETING**

Following tables are designed for marketing person application:

* MARKETING\_ASSOCIATE\_MASTER
* MARKETING\_PERSON\_MASTER
* MARKETING\_PERSON\_BUSINESS\_MASTER

# Process and Flow

Follow these steps (application manual) for using this application

1. register account as company
2. confirm email
3. admin - users - add user - add user from company admin
4. confirm email from user
5. sign up new user in company
6. confirm email from company admin
7. admin - company profile - add user - upload/update company image
8. top links near global notification - account settings - upload/update user image
9. home - create watch list
10. home - search member to add in watch list
11. home - add member to watch list
12. home - view watch list members
13. home - delete watch list member
14. home - post new feeds (with or without images) in same business category at home
15. admin - group - create group
16. admin - group - add user to group
17. admin - department - create department
18. admin - department - add user to department
19. admin - department - add group to department
20. admin - department - create folder
21. admin - department - assign folder to department
22. admin - company website link any site - check it must be visible near notification
23. home - my feed - post feeds (with or without images)
24. home - my feed - left panel briefcase - create folders
25. home - my feed - left panel briefcase - select folder and upload image
26. home - my feed - left panel briefcase - select image and download image
27. corporate - internal page - post feeds
28. corporate - internal page - create folders
29. corporate - internal page - select folder and upload image
30. corporate - internal page - select image and download image
31. corporate - department page - select department at left panel (double click)
32. corporate - department page - related folders will be visible
33. corporate - department page - create new folders
34. corporate - department page - select any existed folder / newly created folder (double click)
35. corporate - department page - upload file to folders
36. corporate - department page - with same process download file from folders
37. corporate - department page - post announcements with or without companywide
38. corporate - internal page - see here all announcements posted companywide from department page are visible here
39. home - connections - list of registered users will be displayed here
40. home - connections - add connection - search a user by user name or email (company name is not added, we will add it today)
41. home - connections - user will be sent a global notification for connection request
42. home - connections - pending connections - user can accept or reject connection
43. buyer - add buyer - register a vender
44. buyer - sent request - we can inquire if no response from buyer for request sent (so that we have made it visible)
45. vendor registration is sent to buyer in supplier tab in their
46. vendor registration notification is in global notification - it is for following cases VR Form Sent / Inquire / Accepted / Rejected
47. supplier - request received - before accepting or rejecting supplier can inquire(so that we have made it visible)
48. home - ratings - user can rate a registered vendor by star rating and comments
49. Chat Module - List of registered connections are there either online or offline
50. Chat Module - you can chat with online or offline users
51. Search - search a buyer and supplier and send VR request or Send RFQ to selected ones
52. Transaction - See Your Product Catalog, Add Item to Product Catalog, Upload CSV
53. Transaction - Create your terms and conditions for RFQ, Quote, Purchase Order, Invoice
54. Transaction - generate RFQ, Quote, Purchase Order, Invoice or check Payments

# Existing Solution (Version 1.0)

SupplyMedium is a quick and smart way to get connected with businesses worldwide using SupplyMedium's Social Network for Supply Chain. We have developed a cloud based application to help companies grow revenue, control costs and mitigate varied risks through better collaboration with their trading partners. By eliminating complexity and simplifying supply chain operations, SupplyMedium creates value for its customers that directly impact the bottom line. The solution provides visibility and integration across the supply chain and brings down the cost of doing business by using automated processes that leverage critical business applications. Our SaaS solution provides paperless Invoices, POs, Quotes & RFQs. Payments against invoices are processed using PayPal secure payment gateway.

**Developed Solutions:**

* Main Website
* FAQ within Main Website
* Clientele within Main Website
* Application for Clients
* Marketing App for Marketing Persons
* Super Admin Panel for Supply Medium Team and Development Team
* Blog with name of registered businesses within Main Website

# Next Proposed Solution (Version 2.0)

In next version we will try to add few more features as given below:

* Improvement in Clientele Page
* Improvement with search facility of products
* Improvement with search facility of buyers
* Improvement with search facility of suppliers
* Detailed view page of product with top 5 or 10 associated buyers/suppliers
* Detailed view page of buyers with most 5 or 10 or all buying products
* Detailed view page of suppliers with most 5 or 10 or all selling products
* Company users can see their analytics report
* Analytics report with number of keywords queried
* Analytics report with name of country and city
* Analytics report with number of views
* Analytics report with number of likes/dislikes
* Analytics report with number of ratings
* Analytics reports with number of comments/feedbacks/disputes
* SEO keyword planner for highlighting company profile
* SEO keyword planner for highlighting product
* SEO friendly URLs for company profile
* SEO friendly URLs for product portfolio
* SEO friendly URLs for buyers
* SEO friendly URLs for suppliers
* SEO friendly URLs for keywords generated by all company users