
SMART COMPANY

**Android Project - Geo location based Service finder
for User Needs (GSUN)
Vision**

Version 1.0

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Vision	Date: 28/Dec/2011
001	

Revision History

Date	Version	Description	Author
28/Dec/2011	1.0	Project Vision Documentation	B.S. Wijeweera

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Vision

1. Introduction

This Document sets out a high-level vision for the GSUN Android Project. GSUN is to freely give exact, adequate of information about consumer products to Android phone users according to their geo coordinates when they are in troublesome situations. Meanwhile for business people will be benefited from this project by attracting more customers. So this project creates a mapping between those two kinds of people.

1.1 References

Feasibility Study Document: 28/12/2011

2. Positioning

2.1 Problem Statement

The problem of	When a person is in some unfamiliar location and wanted to buy some product. But he does not know to which shop he should go, and where are those shops situated.
affects	That person has to waste his time and effort by searching for his needs.
the impact of which is	Android phone users' time and effort will be wasted and sometimes they couldn't find a solution at all.
a successful solution would be	A person can get a list of shops (with details) that offer the service he wants and provide necessary support to reach there.

2.2 Product Position Statement

For	Android phone users and Business community.
Who	To buy some consumer product.
The (product name)	Is an Android phone application
That	Provide wealth of information for users about his current area.
Unlike	Other maps, geo based service locator services
Our product	Respond to users' needs specifically and support them to get that.

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3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
General Public	People who provide information to system	Monitor the accuracy of the system Provide Information to the system Creates a market demand for the product
Android Market	Who sold the application to users	Create demand for the application Provide infrastructure to sell the product Monitor the progress of development Provide additional help to further extend
The Company	Who produce and release the product	Monitor the product quality Funds for future development Market the product
System Developer	People who develop and maintain system	The system developers will be responsible for ensuring the format contains the necessary meta data to allow constructing a parser that will be capable of building checks.
Project Coordinators	People who keep track of the project progress	The project coordinators are responsible for evaluating the development of the project time to time and assisting developer to the best. And they should test the project qualities and standards.

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
Android phone user	People who use the application	Capture information through the application Provide new information to the system. Giving Feedback about the system.	User is directly represented
Business people	People who populate the system with their business information	Provide new information about their services Give Feedback about the system	User is directly represented

3.3 User Environment

This application is for single person usage. But may people can access the services concurrently. Duration for functioning is considerably low as this system is to give quick information to its users. But depending on the service the user want and response time activity time would be vary. This system has two parts. First one needs a mobile that runs on Android platform (2.0 or higher). And the second part needs a web browser that supports XML HTTP requests and a server that runs PHP scripts.

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3.4 Alternatives and Competition

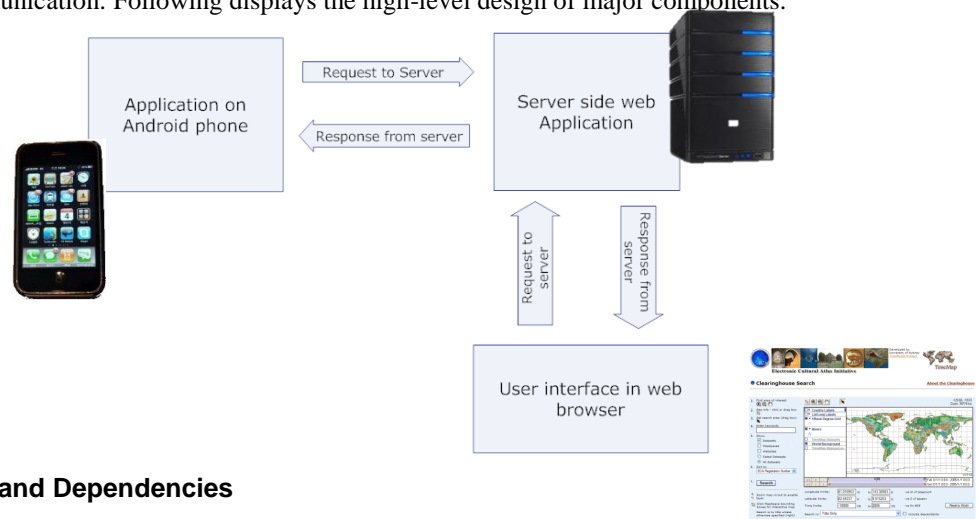
As far as I know there's no such location based service Android application has developed in Sri Lanka. Only static maps are available in the market, but none of them contain any details about business shops or provide information accordingly to user needs. So compare to those, this application is capable of providing the best choice for the user from his surroundings.

4. Product Overview

This Android application is to provide information about sales points to the users based on their geo location. This is a free application that contains almost all the names, places and services that business people provide in Sri Lanka. Through voice recognition the application going to know what user requires. Then application provides a list of information that exactly matches user needs and some suggestions. Through application user can also get the contact details to those places, so that user can easily contact to those places and get the service done. Meanwhile the system provides a web interface which allows business people and other community to enrich the application by providing information to the system.

4.1 Product Perspective

This system is totally independent. So there's no need to provide interface to other services. But this system maintains a web service that can be accessible to other parties who are interested in. The two major components use HTTP messages to communication. Following displays the high-level design of major components.



4.2 Assumptions and Dependencies

I'm assuming that;

- Web server's service is available throughout all the time.
- Libraries using in this application will give the correct data.
- Server-side is powerful enough to handle large amount of traffic.
- Business people will give accurate and adequate information.

5. Product Features

- Standard based
- Free to use
- Open to everyone
- Accessible to any Android phone user

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- Independently controlled
- Able to provide information to other services
- Providing service fast and accurately
- User friendly
- Able to work as stand-alone application
- Extensible

6. Other Product Requirements

Product should be;

- Available at any time of the day.
- User friendly.
- Reliable.
- Efficient.
- Provide information.
- Dependable.
- Maintainable.