Management Traffic and Analysis Traffic Implemented with FPS

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Abstract— **Our application giving an useful feature for user and especially to the visitor and tenant. In exhibition, visitor usually hard to find their way destination or to make an exit. Therefore we make this WPS system to make the user (in this case the visitor) so they can easily find their way to exit or finding the destination. We make this jurnal to discuss about Wireless Positioning System (WPS)** [i]**. The part of Wi-fi search based, WPS, is a very attractive mapping system in the Android application. The system is very suitable for application in mobile, because when the user wants to find their destination will be easier if the system is built portable for mobile, because people always bring their mobile phone. Actually, this application will provide multiple functions for the user. There are three categories of users which are visitors, site manager, and tenant. Our base consideration to this project are to finding the benefits of system to developed, and many potential benefits, both from advertising, traffic management, as well as traffic analysis, therefore decided to make the title such as scientific project.**

I. INTRODUCTION

PRJ is the largest exhibition area in Jakarta and it also hold many events that attracted a lot of people and visited by various levels of society both from national and international. That many people visits PRJ at one time must be making the place makes the visitors not comfortable by the condition to search their destination. We make a solution by making PRJ's WPS to provide all the visitors of PRJ so they can search and find their destination easily and without getting lost.

This WPS is based on a mobile android phone, so people don't have problem to find it because its portable and easy to carry. Mobile technology is easy to expand because it is simple and we can use it anytime, anywhere [1][ii].

Our goal in this project are :
- To solve all the problem when there is an event.
- To maintain safety, an comfort to all the visitor with a good traffic management.
- Making the visitors easy to find their destination
- Give visitors all the information they needed.

Make an advertisement so the sellers will get a profit too.

II. METHODS

The methods that we use to make this project are :
- Literature study
  This method is used to obtain the theory, data, or information as reference in doing planning, testing, building, and composing the project.

- Planning and Implementation
  This planning has a purpose to obtain the design to make a good application program. After making the design then built, run, and compiled
- Process model
  We make the process model by first, making the prototype of our project to fill all the expectation from the program, and the second process is to use the real program for finalizing the program.
- Testing
  This step is to test the software that we use whether its working and decide whether it needs an addition or we satisfied already with the program that we make.

III. RESULTS
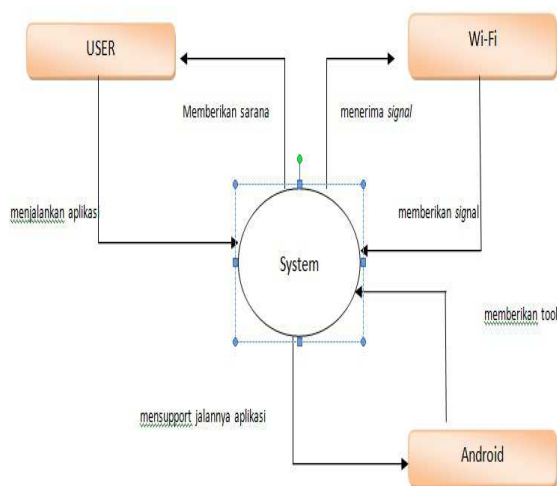
A. Running process System

Image 1
Image 1 is about the outline about how the program run
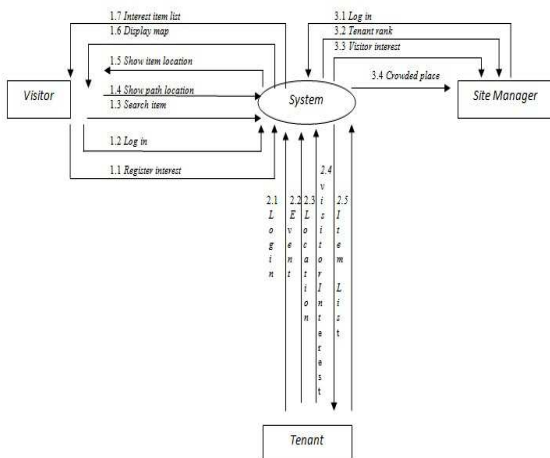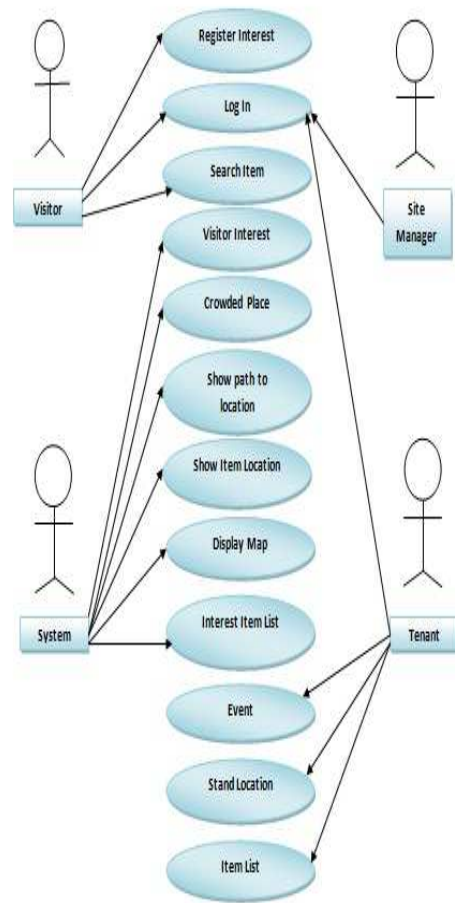
B.   General Solution

Image 2

This is the relational diagram of the WPS that shows the relation of the user and system overall integrate at image 2. It shows how the visitors, site manager, tenant and system interact with each other.

C.   User design process

This is the diagram that shows us how the user interact with each other and their relation about an user with each other.

IV.   RECOMMENDATION

For next development we recommend to expand this project more, maybe with more wide map or many other feature that we don't put at the application this time so this application will expand more big and make many profit

V.   CONCLUSION

This mobile application can help the visitors of PRJ to make their visit to PRJ become more comfort and safe so they can enjoy the fair, and the tenant can sell their goods by advertising through the advertisement from the application.

REFERENCES

i *Android Operating System*. (n.d.). Retrieved 03 27, 2011, from Wikipedia: http://en.wikipedia.org/wiki/Android_(operating_system)

[ii] *PERANGKAT LUNAK INDOOR WIRELESS POSITIONING SYSTEM BERBASIS WI-FI.* (n.d.). Retrieved 05 10, 2011, from digital library: http://digilib.its.ac.id/detil.php?id=4644