

SOFTWARE SPECIFICATION REQUIREMENTS ON STUDENTS MAP SYSTEM

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INTRODUCTION

purpose

Students map was defined in our perspective view by our group as a representation of places located in a confined environment where directions to such destinations are made easier. Our main aim or purpose for developing a map system for students in our university was due to previous complaints of students on how complicated it takes them to find some places in the school. Due to the language barrier of students, some students are not able to express or provide others with accurate or clarity of information when giving directions all because we all can't speak the official language (English) so we decided to develop this application to curb such difficulties.

DOCUMENT CONVENTION

Our document was written in word and it will be converted to pdf

REFERENCE

Our template used here was taken from Karl Wiegner, the author of Software Requirements which was utilized in the creation of this document.

PRODUCT PERSPECTIVE

This app would be the first of its kind anywhere in the universities in Nanjing by a group of international students from Nanjing university of Posts and Telecommunication.

PRODUCT FEATURES

This app consists of SEARCH buttons that is From.....and TO.....which makes findings easier. It also consists of photos of suggested places such as food, field, shops, repairs, buildings etc. and it tells you the distance to be covered before you can get to such destination. Moreover, it also suggest the shortest route for you and provides you with the directions or steps to follow to such places. The software used in developing app is Android Studio.

USER CLASSES AND CHARACTERISTICS

Our app is user friendly so far as you can read and understand English. It can be accessed by every student in our university so far as you have the app downloaded on your smartphone. Our app also feature some online help in case you are finding some difficulties. It also requires the use of internet connection.

USE CASES

Our app system consist of Account Registration and Activation. Students have to login to get access in locating places in the

school. It enables them to check other map locations, selection of destinations and also arrival alert.

PROCESS DESCRIPTION

Our map describes the workflow diagram to bring forth a clearer understanding of a series of parallel processes. Before, we constructed this process Flowchart, various steps were followed. We first determine the boundaries that is where the map begins and where the map ends. We went forth describing how the map would look like and then we were able to draw the flowchart to show sufficient information in order to understand the general process

DESIGN AND IMPLEMENTATION CONSTRAINT

This project was initially developed for a non-profit organization and so therefore it constrained to low-cost method of implementing the system. It was only develop to assist new students enrolled in our university and also to curb wastage of time by others who try to give directions to others. This app will be updated by us and also the internal aspect of the system will be maintained by our group.

USER DOCUMENTATION

As it was stated in previous section, extensive online will be available when using the app. The online help will guide the user. In addition, a general user's guide to the app system will be generated which contains an overview of each main piece of functionality.

USER INTERFACE

The user interface for the system is a smartphone app. The user interface code will be generated by our group developers and also Android Studio.

HARDWARE INTERFACE

The hardware interfaces of the app is handled by the app server and no hardware dependent code will be written by our group

SOFTWARE INTERFACE

Our app system is designed to run on smartphones and the app is designed to run on internet information server.

COMMUNICATION INTERFACE

The map application will be accessed over the internet.