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**FPT UNIVERSITY**

**Taxi Caller Application on Windows Phone**

**F\_Taxi**

**Report #1 – Project Introduction**

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| **F\_Taxi** | |
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| **Project Code** | F\_Taxi |

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# INTRODUCTION

## Purpose

This chapter provides an overview of project which includes objectives, system features and system architecture overview. This document provides background information, literature review of existing system and idea proposal for both developers and stakeholders.

## Project Information

* Project name: **Taxi Caller Application on Windows Phone.**
* Project code: **F\_Taxi.**
* Project group name: **F\_Taxi.**
* Product type: **Mobile Application (Window Phone Application).**
* Timeline: **From 07thSeptember 2015 to 26thDecember 2015.**

## Background

Taxi nowadays is require and strong development, call taxi from old service is remember the number of taxi company, call to switchboard and wait for taxi came.

With the grow up of transport industry and technology, easy to transport with a few actions on screen of smart phone, customer will have exactly what they want to move.

# LITERATURE REVIEW

## Overview current existing method

* Traditional method :
  + Call taxi operator, wait arrange taxi from taxi operation.
  + Standing in the street and wait taxi came through.
* Modern method : using app from smart phone, highlight are Uber and GrabTaxi.

## Limitation of existing method

* Traditional method :
  + Time to wait taxi some time is too long.
  + Don’t know taxi driver information.
  + Taxi driver take a long distance, high price.
* Modern method :
  + Not support window phone much.
  + No Vietnamese, just English.

# PROPOSAL

## The idea

A window phone application to help user using window phone OS want call a taxi with a taxi driver from taxi company communication easy. Call a taxi, pick up customer … with a few actions from screen.

## Objectives

The main objective of the project is creating application for window phone user, help user using app for take a taxi quickly and taxi driver pick up a customer easy.

The other purpose is to fulfill the requirements from FPT University studying program and to improve the software development skills of team members such as software requirement specifying, architecture designing, coding, testing and deploying.

## Brief description about system

This software is a windows phone application help user take a trip and pick up a customer easy. Show information of trip, taxi instance for user.

System will working with internet connection, 2 user is Rider and Driver had login application. The most importance is have internet connection. The main function of this application is help customer as Rider easy take a taxi with information from taxi driver and price, in other hand taxi driver as Driver have more customer from user using Windows Phone, and know information about trip and customer.

Purpose of this application is help Rider and Driver communicate better because have many trusted from application

## System features

* Friendly user interface, easy using app.
* Cheap price when using F-Taxi.
* Automatic call other taxi when current taxi is busy.
* Customer can know taxi driver and trips information.
* Taxi driver have more opportunity and chance to pick up a customer from application.
* Lost Asset will be reported and help user found that easy.

# BENEFIT FROM PROJECT

## For Organization

Taxi driver can quickly and easy to pick up customer, have a respond from service help driver have more customer.

## For our group

After developing and implementing this project, our group will get some benefits:

* We have more experiences of managing a software project: how to manage plan, time

and risk. These experiences help us a lot in our future work.

* Know how to communicate with other team members and how to do teamwork

Efficiently.

* Have a chance to study about new technology: Window Phone Application.

## For Community

People using Windows Phone, using our application, user can :

* Pick up a taxi fast, using shortest distance.
* Low price and fast payment.
* Taxi driver have a license from trusted company to work with our system.

# CRITICAL ASSUMPTION AND CONSTRAINTS

There are some critical assumptions that we realize after analyzing this project. We assume that all the developers can study window phone technology in a short time. We do not know anything about it before this project, but we have to study hard for not missing any deadline of project plan. Besides, we also assume all our members do not have any health problems, so they are not absent and can do their works.

There are also some constraints of our project. Firstly, about the time and deadline, we have to finish project on time. It has no extra time for us to complete developing and deliver application to teachers. Besides, the reports need to be submitted before the deadline. Secondly, about the quality, the application must be well enough for users to do main features. Finally, about the technique, out knowledge in window phone technique is not the high level. Therefore, with all the expected features that we gave before, we do not know if we can solve all of those or not. However, we will try our best to make our project successfully.

# POTENTIAL RISKS

After analyze project, we have some risks below:

* Developing a Window Phone application is new with all of us, so during in time work with project we will have technical problems.
* During limit time duration (about 3 months) to do with project, we can missing deadline of project plan.
* System can work correctly with Bing map.
* Member in group can have argument difference -> project may be not on deadline.

# REFERENCES

**[1] GrabTaxi**

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