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| The University of Hong Kong  Faculty of Engineering  Department of Computer Science  COMP7704  Dissertation Title  A Smart Phone Application for Valet Parking  Submitted in partial fulfillment of the requirements for the admission to the degree of Master of Science in Computer Science  By  LUO Xianyang  3035237420  Dr. T.W. Chim  Date of submission: 30 / 11 / 2016 |

Abstract



**Declaration of Candidate**

I, the undersigned, hereby declare that the work contained in this thesis is my own original work, and has not previously in its entirely or in part been submitted at any university for a degree.

Only the source cited in the document has been used in this draft. Parts that are direct quotes or paraphrases are identified as such.

I agree that my work is published, in particular that the word is presented to third parties for inspection or copies of the work are made to pass on to third parties.

The University of Hong Kong,

LUO Xianyang

Acknowledgments

I would like to thank~

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1. INTRODUCTION
   1. Background Information

Nowadays a lot of people will go to clubs for dinners, after-work drinks or having fun with friends. Since Hong Kong is an International and fast-tempo city, it is rather common for citizens to go to places like Lan Kwai Fong after a day’s work or at weekend. It is convenient for customers to drive their own cars to the hotels, clubs or bars. But as a matter of fact that Hong Kong is one of the most crowded cites in the world, it is not easy for drivers to find a parking lot quickly.

Valet parking service can help customers park their cars. It is offered by some restaurants, shopping malls, clubs and so on. A person called valet will drive a customer’s car to parking lot when the customer arrives at the gate of the hotel and return the car when the customer leaves. The main advantage of valet parking is convenience. On one point, customers do not need to find a parking lot by themselves. On the other point, they do not have to walk a long way from the parking lot to the hotel, which saves lots of time. All they need to do is just dropping their cars at drop-off point.

However, in such a fast-tempo city and such a high-tech era, some problems of traditional valet parking for a customer are:

1. must use a valet parking ticket to redeem their cars. If the ticket is lost, customer need to prove that the car belongs to him or her by showing driver license or identity card
2. may do not know where is the drop-off point for a certain hotel, restaurant or clubs and may take time to find it
3. do not know current status of the car

To solve these problems, I would like to develop a mobile application for people in Hong Kong to use valet parking service easier more efficiently.

* 1. Project Description

This project mainly focus on help drivers enjoy better valet parking service.

* 1. Project Objectives
  2. Summary of Chapters

1. LITERATURE REVIEW
2. REQUIRMENTS AND DESIGN
3. IMPLEMENTATION AND TEST
4. RESULT AND EVALUATION
5. REVIEW AND FUTURE WORK