

TABLE OF CONTENT

DECLARATION OF ORIGINALITY	i
APPROVAL PAGE	ii
VALIDATION PAGE	iii
VALIDATION PAGE	iv
ACKNOWLEDGEMENT	v
ABSTRACT	vii
TABLE OF CONTENT	viii
LIST OF IMAGE	xii
LIST OF TABLE	xii
CHAPTER I	1
INTRODUCTION	1
1.1. Background of the Study	1
1.2. Problem Identification	2
1.3. Purpose of the Study	3
1.4. Limitations of the Study	3
1.5. Benefits of the Study	4
1.6. The Collect of Data	4
1.7. Research Methodology	4
1.8. Schedule.....	6
1.9. The Writing Structure	6
CHAPTER II	8
THEORETICAL BASIS	8
2.1. Baidu Maps	8
2.1.1. Types of Baidu Map	9
2.2. Global Positioning System (GPS)	10
2.3. Mobile Application	10
2.4. Android OS	11

2.5.	Location Base Service(LBS)	12
2.6.	System Development Tools	15
2.6.1.	Eclipse IDE	15
2.6.2.	Android Developer Tools (ADT)	16
2.6.3.	Use Case Diagram	16
2.6.4.	Class Diagram	18
2.6.5.	Activity Diagram	20
2.6.6.	Sequence Diagram	20
2.6.7.	Deployment Diagram	22
CHAPTER III	.....	24
ANALYSIS AND DESIGN	.....	24
3.1.	Method of collecting data	24
3.1.1.	Literature Review	24
3.1.2.	Study of Literature	24
3.1.3.	Software Development Method	24
3.1.4.	Phase of Planning	26
3.1.5.	Phase of Designing	26
3.1.6.	Phase of Cunstruction	27
3.1.7.	Phase of Implementation	27
3.2.	Application Development	27
3.2.1.	Planning Phase	28
3.2.1.1.	Problem Needs Analysis	28
3.2.1.1.1.	Business Processes	28
3.2.1.1.1.1.	Manual Business Processes	28
3.2.1.1.1.2.	Business Process Using Applications	29
3.2.1.1.2.	Weakness of Current System	30
3.2.1.1.2.1.	Weakness of Business Process Running Manually	30

3.2.1.1.2.2.	Weakness of the Current Business Process Using the Application	31
3.3.	Design phase	32
3.3.1.	Design Applications With UML (Unified Modelling Language)	32
3.3.1.1.	Use Case Diagram	33
3.3.1.2.	Class Diagram	34
3.3.1.3.	Activity Diagram	35
3.3.1.3.1.	Activity Search and Navigation	35
3.3.1.3.2.	Activity Recommendation	36
3.3.1.4.	Sequence Diagram	37
3.3.1.4.1.	Sequence Diagram My Location	37
3.3.1.4.2.	Sequence Diagram Find Nearby Restaurant	38
3.3.1.4.3.	Sequence Diagram Find Mosque in Nanjing	39
3.3.1.4.4.	Sequence Diagram Mosque & Restaurant Recommendation	40
3.3.1.4.5.	Sequence Diagram Choose Place	41
3.3.1.4.6.	Sequence Diagram Navigation	42
3.3.1.5.	Deployment Diagram	43
3.3.2.	Designing User Interface	44
3.3.2.1.	Front Page	44
3.3.2.2.	Search Page	45
3.3.2.3.	Recommendation Page	46
3.3.2.4.	Recommendation Detail Page	47
3.4.	Phase of Cunstruction	47
3.4.1.	Programming	47
3.5.	Phase of Implementation	48
CHAPTER IV	.....	49
IMPLEMENTATION AND TESTING	.....	49

5.1.	Testing	49
5.1.1.	Hardware	49
5.1.2.	Software	49
5.2.	User Interface	50
5.2.1.	Front Page	50
5.2.2.	Search Page	51
5.2.3.	Recommendation List Page	52
5.2.4.	Recommendation Details Page	53
5.2.5.	Navigation Page	54
5.3.	BlackBox Testing	55
CHAPTER V	.....	57
CLOSING	.....	57
5.1.	Conclusion	57
5.2.	Recommendations 57	
REFERENCES	.....	58
CURRICULUM VITAE	.....	60
APPENDIX	.....	61