CONTENTS

Chapter 1	
1.1 Introduction1.2 Scope of the caption project	1 1-3
Chapter 2	
2.1 Capstone project planning	
2.1.1 Work breakdown structure	4-5
2.1.2 Timeline developer-schedule	6-9
2.1.3 Cost breakdown structure	10-13
2.1.4 Capstone project risk assessment	13
2.2 Requirements specification	
2.2.1 Functional Requirements	14
2.2.2 Non-functional (Quality attributes)	14-16
2.2.3 User input	16-17
2.2.4 Technical constraints	17
2.3 Design specifications	
2.3.1 Chosen system design	18
2.3.2 Discussion of alternative design	19-21
2.3.3 Detailed description of components/subsystems	21
2.3.4 Components 1-n	22-23
Chapter 3	
3.1 Approach and methodology	
3.1.1 Discuss the technology	24-25
3.1.2 Methodologies	26
3.1.3 Use cases	27
3.1.4 Programming	28

29

3.1.5 Analysis

3.1.6 Process design	29-33
3.1.7 Product design	33-41
3.1.8 Fabrication	41-43
Chapter 4	
4.1 Test and validation	
4.1.1 Test plan	44-45
4.1.2 Test approach	45-48
4.1.3 Features tested	48-49
4.1.4 Features not tested	49
4.1.5 Findings	49-51
4.1.6 Inference	51-52
Chapter 5	
5.1 Business aspects	
5.1.1 The market and economic outlook of the project	53
5.1.2 Features	53
5.1.3 How does the project of service fit into the competitive landscape?	53
5.1.4 Who want the possible client or customer?	53-54
5.2 Financial considerations	
5.2.1 Capstone project budget	55
5.2.2 Cost of capstone projection needed for either profit or	
nonprofit option	55
5.3 Conclusion and recommendations	
5.3.1 State of completion of capstone project	55
5.3.2 Future work	55
Program Code	56-82
References	83

Appendices 83-87

List of Figures: -

Figure number	Figure name	Page number
Fig 2.3.1.1	System Architecture	18
Fig 2.3.2.1	Data flow diagram level 0	19
Fig 2.3.2.2	Data flow diagram level 1 Admin	
Fig 2.3.2.3	Data flow diagram level 1 Doctor	20
Fig 2.3.2.4	Data flow diagram level 1 User	
Fig 2.3.3.1	Component diagram	21
Fig 3.1.2.1	Agile methodology diagram	26
Fig 3.1.3.1	Use case	27
Fig 3.1.6.1	Table	29
Fig 3.1.6.2	Admin	30
Fig 3.1.6.3	Appointment	
Fig 3.1.6.4	Disease	31
Fig 3.1.6.5	Link symptoms	
Fig 3.1.6.6	Organs	32
Fig 3.1.6.7	Symptoms	
Fig 3.1.6.8	User	33
Fig 3.1.7.1	Dashboard	33
Fig 3.1.7.2	About us	34
Fig 3.1.7.3	Admin login	

Fig 3.1.7.4	Add organ	35
Fig 3.1.7.5	Add symptoms	35
Fig 3.1.7.6	Add Disease	36
Fig 3.1.7.7	Disease	
Fig 3.1.7.8	Link symptoms	37
Fig 3.1.7.9	Doctor registration	
Fig 3.1.7.10	Hospital /Doctor	38
Fig 3.1.7.11	Start Check-up	
Fig 3.1.7.12	Check symptoms	39
Fig 3.1.7.13	Result	
Fig 3.1.7.14	Book Appointment	40
Fig 3.1.7.15	Doctor login	
Fig 3.1.7.16	Appointment	41
Fig 3.1.8.1	System Architecture	43

List of Tables: -

Table number	Table name	Page number
Table 2.1.3.1	Labor cost of work	11-12
Table 2.1.3.2	Final check	13
Table 4.1.2.1	Admin login	45
Table 4.1.2.2	Manage symptoms and diseases	46
Table 4.1.2.3	Check symptoms and diseases	
Table 4.1.2.4	Predict disease	
Table 4.1.2.5	Manage Doctor	47
Table 4.1.2.6	Doctor login	
Table 4.1.2.7	View doctor	
Table 4.1.2.8	Book appointment	48
Table 4.1.2.9	View appointment	
Table 5.2.2.1	Cost (Profit/non-profit)	55