Software Engineering 2 Report

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**Clinic Management System (Icare)**

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Faculty of Computer and Information Systems

Dept. of Computer Science

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ABSTRACT

Now a days applications are integrated into our daily life for both consumers and businesses therefore any business of any size needs up to date software that can do the core functions of a clinic system such as adding patients ,editing ,searching , booking appointments and has a hierarchy for the system users such receptionist , managers, and owners to maintain information integrity which is necessary to get consumers trust which will result in better profits.

There are many systems that provide that for large-scale hospitals and clinics however for their scale that results in a very expense information systems that are rigid and nonflexible with customizability and its features furthermore these large-scale applications demand high spec systems to run on which isn’t an optimal option for small to medium businesses .

That’s where Icare comes in as An Information System for a small to medium sized clinic that will solve the large-scale application problems by being a lightweight desktop application that will work on low to medium spec systems which will provide the core functionality any small to medium clinic would need moreover won’t be bigger than what the user needs i.e., they pay for what they need and won’t have any unnecessary features there paying for .

This will be achieved by using tools such as , java for the backend with javaFX for frontend interfaces and MySQL for the database all these three tools are great for light weight desktop applications.

In conclusion we aim to fill a gap in the market where cheaper smaller apps will work for clients that can be easily customized to their needs that work on low spec systems.

**Contents**

CHAPTER 1 INTRODUCTION *..................................................................................*1

1.1. PURPOSE OF THE PROJECT*..................................................................................*2

1.2 PURPOSE OF THIS DOCUMENT*..............................................................................*3

1.3 OVERVIEW OF THIS DOCUMENT *..........................................................................*3

CHAPTER 2 SYSTEM ANALYSIS *............................................................................*9

2. SYSTEM ANALYSIS *............................................................................................*10

2.1 PROJECT SCOPE *.................................................................................................*10

2.2 SYSTEM REQUIREMENTS *...................................................................................*10

2.2.1 Functional requirements *.............................................................................*10

2.2.3 Non-functional requirements *.....................................................................*11

2.2.3.1 Look and feel requirements*..........................................................*11

2.2.3.2 Usability requirements *.................................................................*11

2.2.3.3 Security requirements *................................................................*12

2.2.3.4 Performance requirements *...........................................................*12

2.2.3.5 Availability *..........................................................................*12

CHAPTER 3 DESIGN CONSIDERATIONS *............................................................*29

3. DESIGN CONSIDERATIONS *..............................................................................*30

3.1 DESIGN CONSTRAINTS *.......................................................................................*30

3.2.4 Architectural pattern *..................................................................................*34

3.2.4.1 The Model-View-Controller pattern *...................................................*34

3.2.4.2 The Component And Link Diagram

3.2.4.3 Class diagram

3.2.4.4 Software Architecture Diagram

3.2.4.2 Layered Architecture Diagram

CHAPTER 4 SYSTEM DESIGN *...............................................................................*36

4. SYSTEM DESIGN *.................................................................................................*37

CHAPTER 5 IMPLEMENTATION *...........................................................................*52

5. IMPLEMENTATION *.............................................................................................*53

CHAPTER 6 VALIDATION *.....................................................................................*70

6.VALIDATION *.........................................................................................................*71

6.1 VALIDATION *......................................................................................................*71

REFERENCE: *............................................................................................................*83

CHAPTER 1 INTRODUCTION

* 1. PURPOSE OF THE PROJECT

1.2 PURPOSE OF THIS DOCUMENT

1.3 OVERVIEW OF THIS DOCUMENT

CHAPTER 2 SYSTEM ANALYSIS

SYSTEM ANALYSIS

PROJECT SCOPE

SYSTEM REQUIREMENTS

Functional requirements

Non-functional requirements

CHAPTER 3 DESIGN CONSIDERATIONS

DESIGN CONSIDERATIONS

DESIGN CONSTRAINTS

Architectural pattern

3.2.4 Architectural pattern

3.2.4.1 The Model-View-Controller pattern

3.2.4.2 The Component And Link Diagram

3.2.4.3 Class diagram

3.2.4.4 Software Architecture Diagram

3.2.4.2 Layered Architecture Diagram

CHAPTER 4 SYSTEM DESIGN

. SYSTEM D

CHAPTER 5 IMPLEMENTATION

Implantation

CHAPTER 6 VALIDATION