Green University of Bangladesh
Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering
Semester: (Fall, Year:2022), B.Sc. in CSE (Day)

Course Title: Algorithms Lab
Course Code: CSE-206 Section: D1

Lab Project Name: E-Health Care Management System

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Submission Date : 02 – Jan - 2023
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[For Teachers use only: Don't Write Anything inside this box]

Lab Project Status

Marks: …… **Signature: .....**

Comments: ..... **Date: .....**

Table of Content

Chapter 1

Introduction

1.1 Introduction:

E-HealthCare Management System (eHCMS) is an integrated platform for healthcare organizations to manage their operations, patient care, and other related services. It is a comprehensive system that automates and streamlines the entire healthcare process. It enables healthcare organizations to manage patient records, medical billing, clinical operations, medical staff, and other administrative activities more efficiently.

eHCMS offers a wealth of features that help healthcare organizations to improve their workflow and productivity, while at the same time reducing costs. It also provides real-time access to patient data, giving healthcare providers the ability to make informed decisions quickly and accurately. Additionally, it facilitates the sharing of data between different healthcare providers, allowing for better communication and collaboration.

eHCMS is an invaluable tool for any healthcare organization looking to optimize their operations, improve patient care, and increase efficiency. With its comprehensive features and user-friendly design, eHCMS is the perfect choice for healthcare organizations looking to stay ahead of the competition.

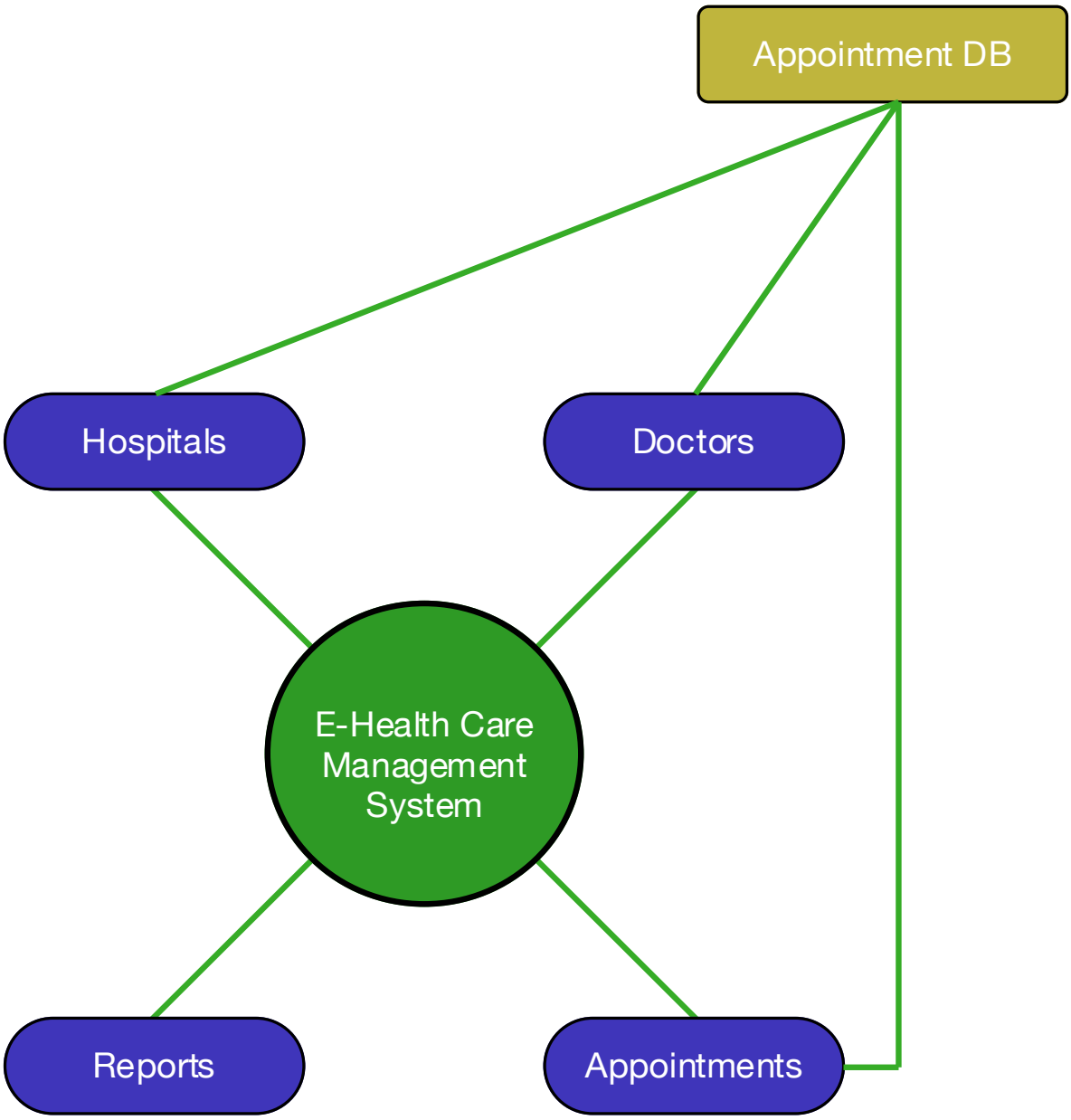
1.2 Design Goals:

1. Create a system that is user-friendly and intuitive to use.
2. Develop a system that is secure and reliable.
3. Design a system that meets all regulatory requirements.
4. Ensure that the system is cost effective and easily scalable.
5. Develop a system that facilitates efficient coordination between healthcare providers, patients, and other stakeholders.

Chapter 2

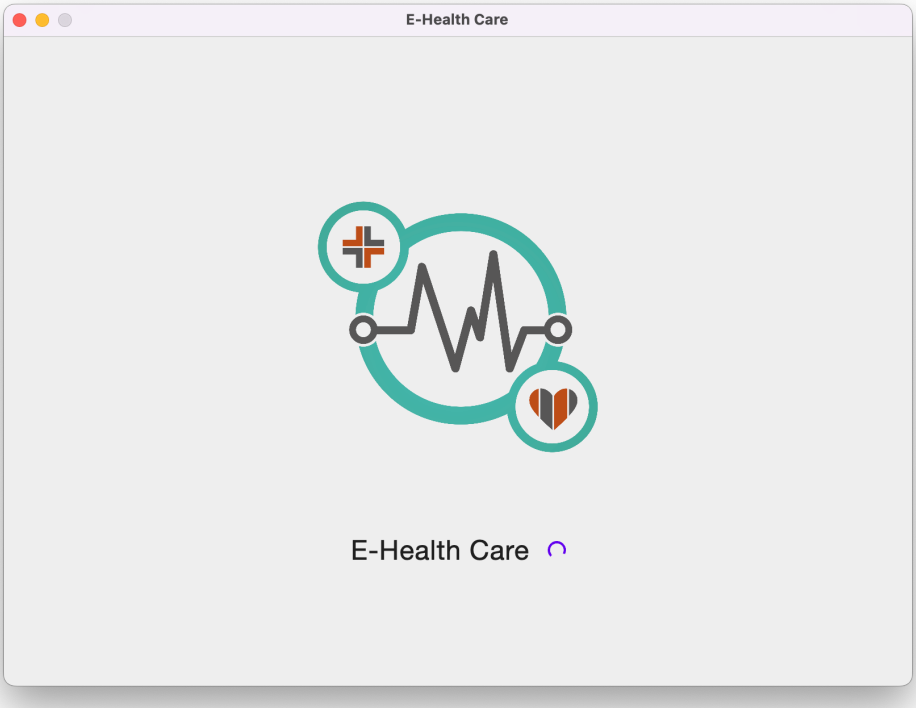
Design/Development/Implementation

2.1 Project architecture:

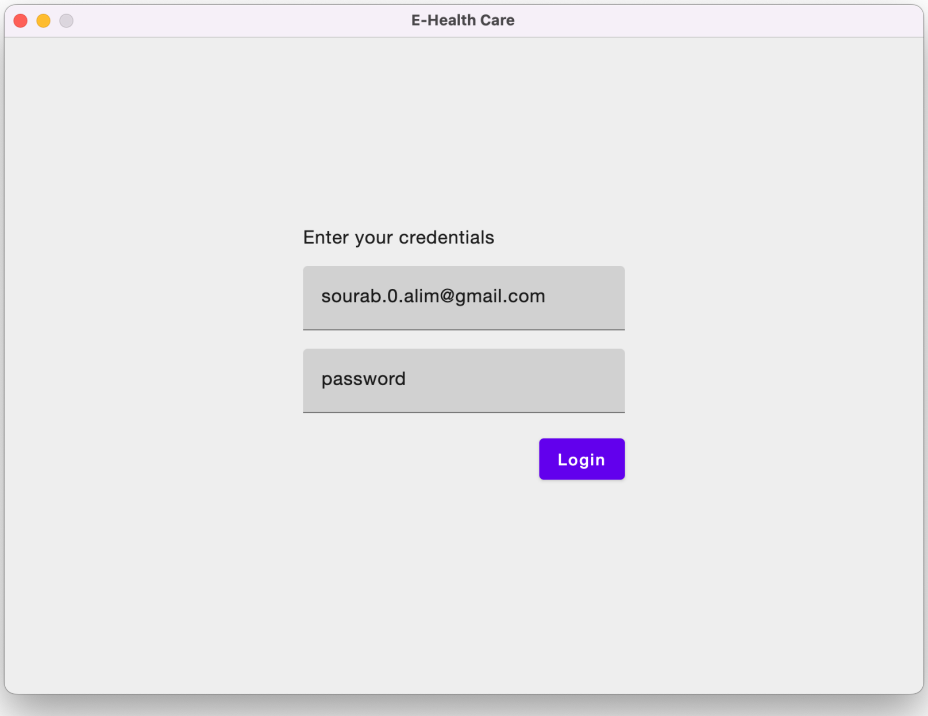


2.2 Implementation:

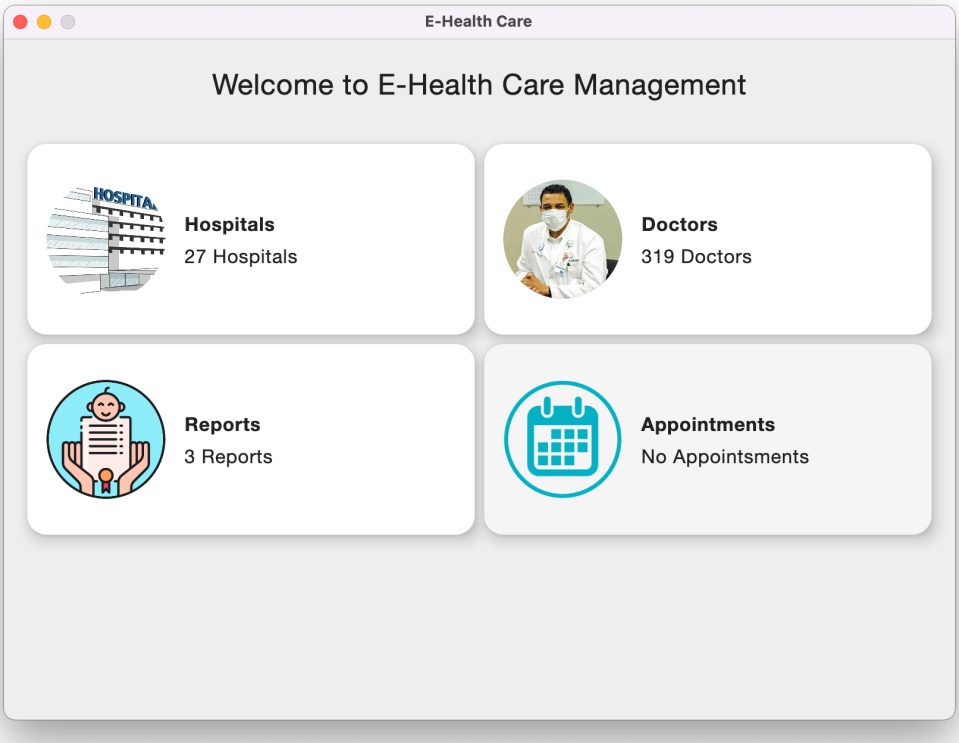
Splash Screen:



Login Screen:



Main Screen:


E-Health Care
Welcome to E-Health Care Management
Hospitals
27 Hospitals
Doctors
319 Doctors
Reports
3 Reports
Appointments
No Appointsments

Chapter 3

Tools & Technology

3.1 Tools:

- Intelij (IDE)
- Windos/Mac/Linux Computer
- JAVA Environment

3.2 Technology:

- Kotlin & Java (Programing language)
- Compose Framework

Chapter 4

Conclusion

4.1 References:

- https://github.com/Sid1608/E-HealthCare-Management-System.
- https://github.com/jaigora24/E-Healthcare-Management-System.
- https://github.com/kishan0725/Hospital-Management-System.

4.1 Conclusion:

The E-Health Care Management System is an effective way for healthcare providers and patients to coordinate care, manage medical records, and reduce administrative costs. It provides a secure and convenient way for healthcare providers to communicate with their patients and share information. Patients can access their medical records, schedule appointments, and pay bills online. The system also helps healthcare providers to monitor patient progress and provide better care. The E-Health Care Management System is a valuable resource for both healthcare providers and patients.