LAL BAHADUR SHASTRI

GROUP OF INSTITUTIONS

PROJECT PRESENTATION ON,

COVID-19 RESPONSE

COVID MANAGER

PROJECT TITLE – COVID MANAGER

SUBMITTED BY :- AYUSH M SRIVASTAVA

UNDER SUPERVISION OF :-
Faculty Name:-

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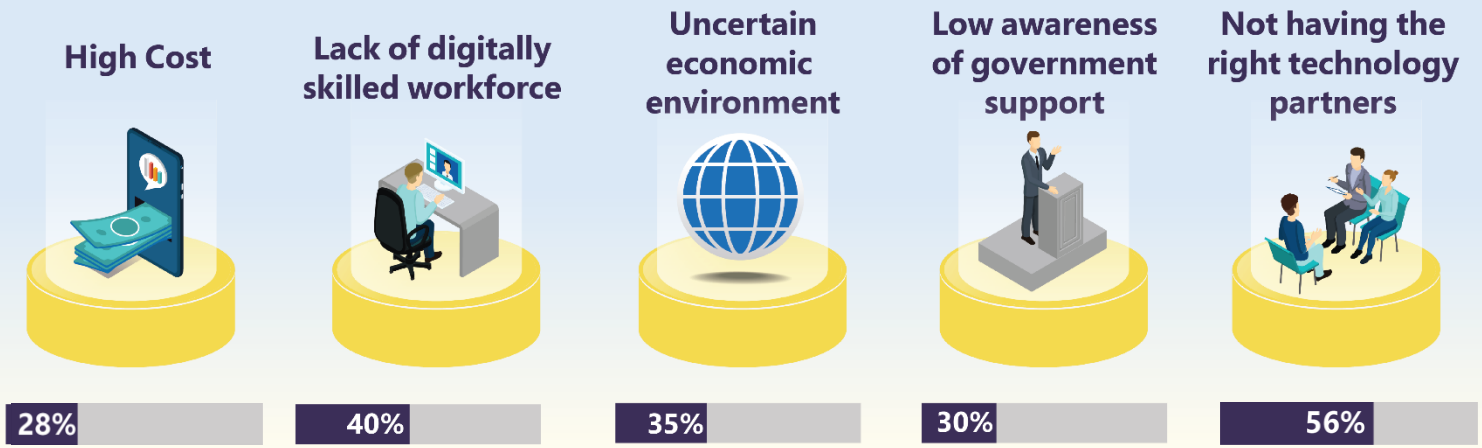
INTRODUCTION

Barriers faced by SMEs in their digital transformation journeys are exacerbated by COVID-19



Amidst the global impact of COVID-19, there is an urgent call for innovative solutions to effectively manage vaccination and testing. The pandemic has prompted a shift in health management practices from conventional to digital methodologies. Recognizing this evolution, the COVID-19 Management Application is conceptualized. It responds to the changing landscape of healthcare, integrating technology into traditional vaccination and testing processes. As societal norms evolve, there is a critical need for user-friendly systems to navigate health responsibilities. The application aims to address this demand by offering a holistic platform for both users and laboratories, facilitating seamless management of vaccination and testing-related information.

PURPOSE

User Management

Provide real-time updates and reminders to ensure users stay informed about their health commitments.

Facilitate a user-friendly interface for scheduling vaccinations, accessing test results, and managing associated documentation.

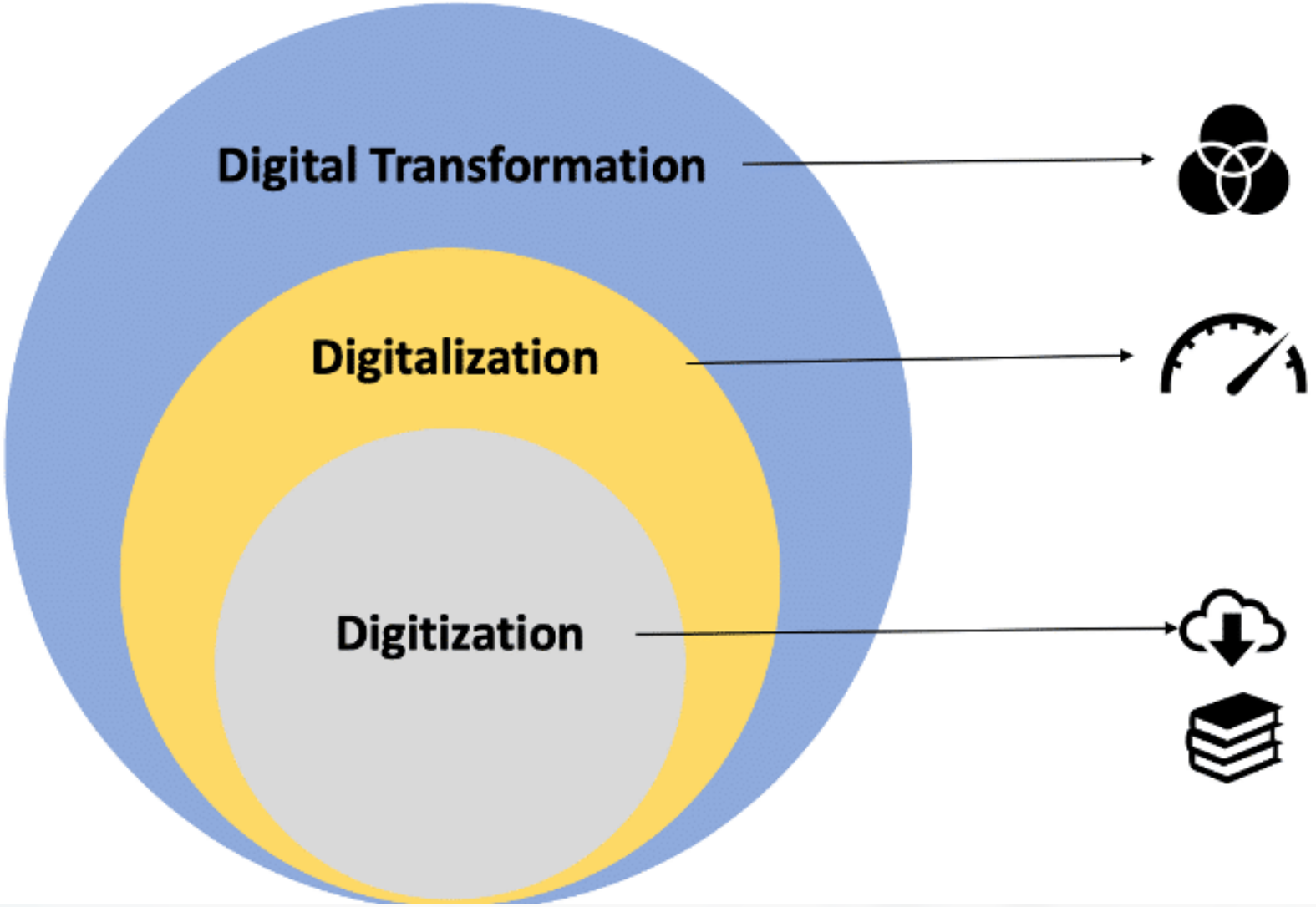
Empower users to effortlessly oversee their vaccination and testing-related responsibilities.

Lab Management

Enhance collaboration between healthcare providers and users through a centralized platform.

Streamline the process of result reporting, ensuring accuracy and timely availability.

Enable laboratories to efficiently update results and certificates for users to access.


Digital Transformation
Digitalization
Digitization

SCOPE

User-Friendly Interface: Designing an intuitive and easy-to-use interface for users to manage their vaccination appointments, view test results, and access certificates.

Real-Time Updates: Implementing a system for instant notifications and reminders to keep users informed about upcoming vaccinations and test result availability.

Document Management: Creating a secure repository for users to access and manage their vaccination certificates and test results.

Laboratory Integration: Developing a seamless interface for laboratories to efficiently update and manage test results and certificates.

Data Security: Prioritizing the security and confidentiality of user data, adhering to industry standards and regulations.

PROBLEM

Fragmented Information:

- Inefficient management of vaccination and testing information, leading to fragmented data and potential delays in accessing critical health updates.

Communication Gaps:

- Lack of streamlined communication between users and laboratories, resulting in delays or confusion regarding test results and vaccination schedules.

Documentation Challenges:

- Difficulty in organizing and accessing vaccination certificates and test results, hindering individuals in meeting travel, workplace, or health-related requirements.

Data Security Concerns:

- Risks associated with the security and privacy of health-related data, necessitating a robust system to safeguard sensitive information.

TOOLS & TECHNOLOGY

TECHNOLOGIES,

- Java Swing
- MySQL
- NetBeans
- SQL Yog
- JDBC

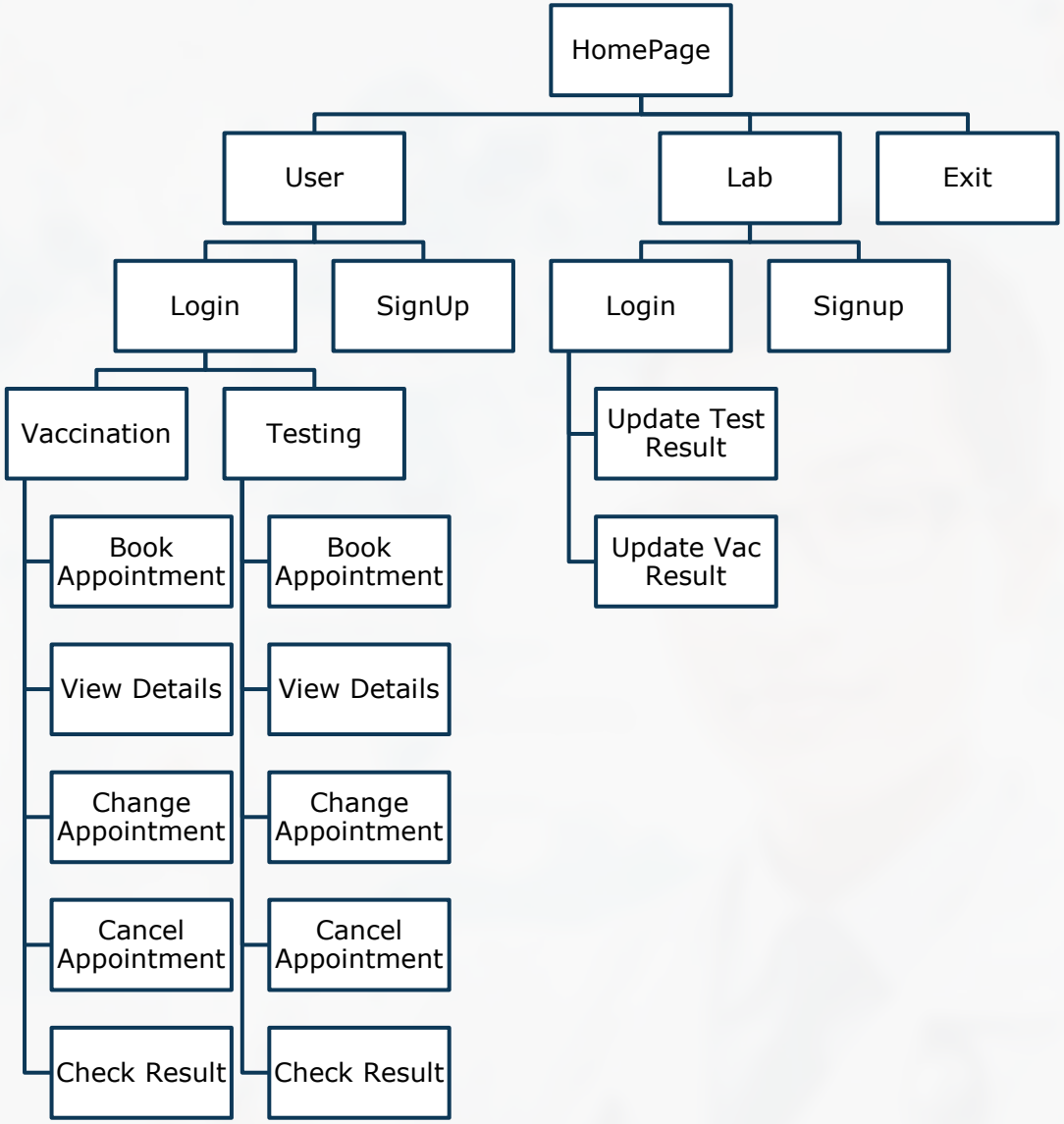
OPERATING SYSTEMS,

- Windows
- Linux

TOOLS,

- VS Code
- Adobe Photoshop

SYSTEM DESIGN



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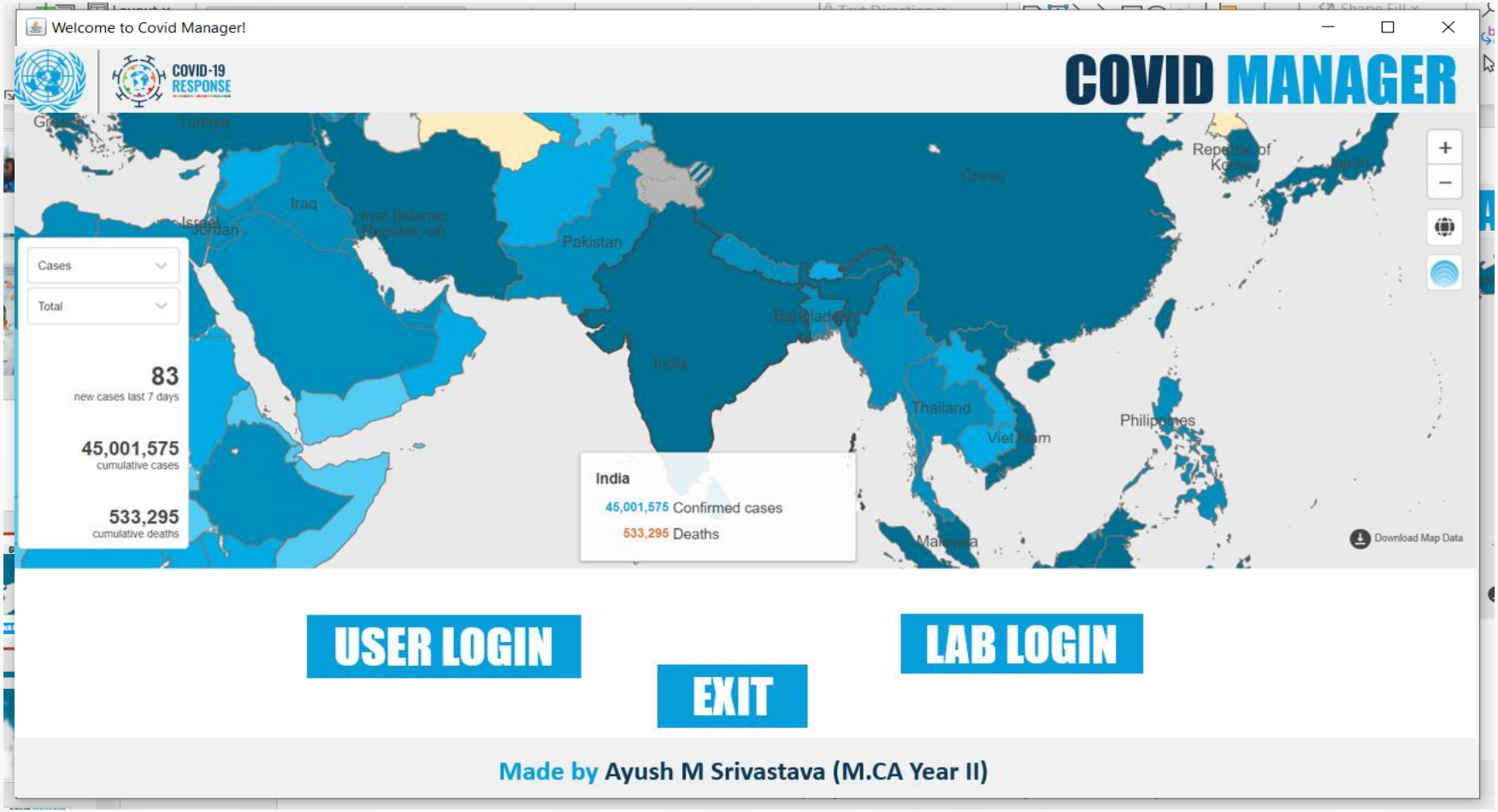
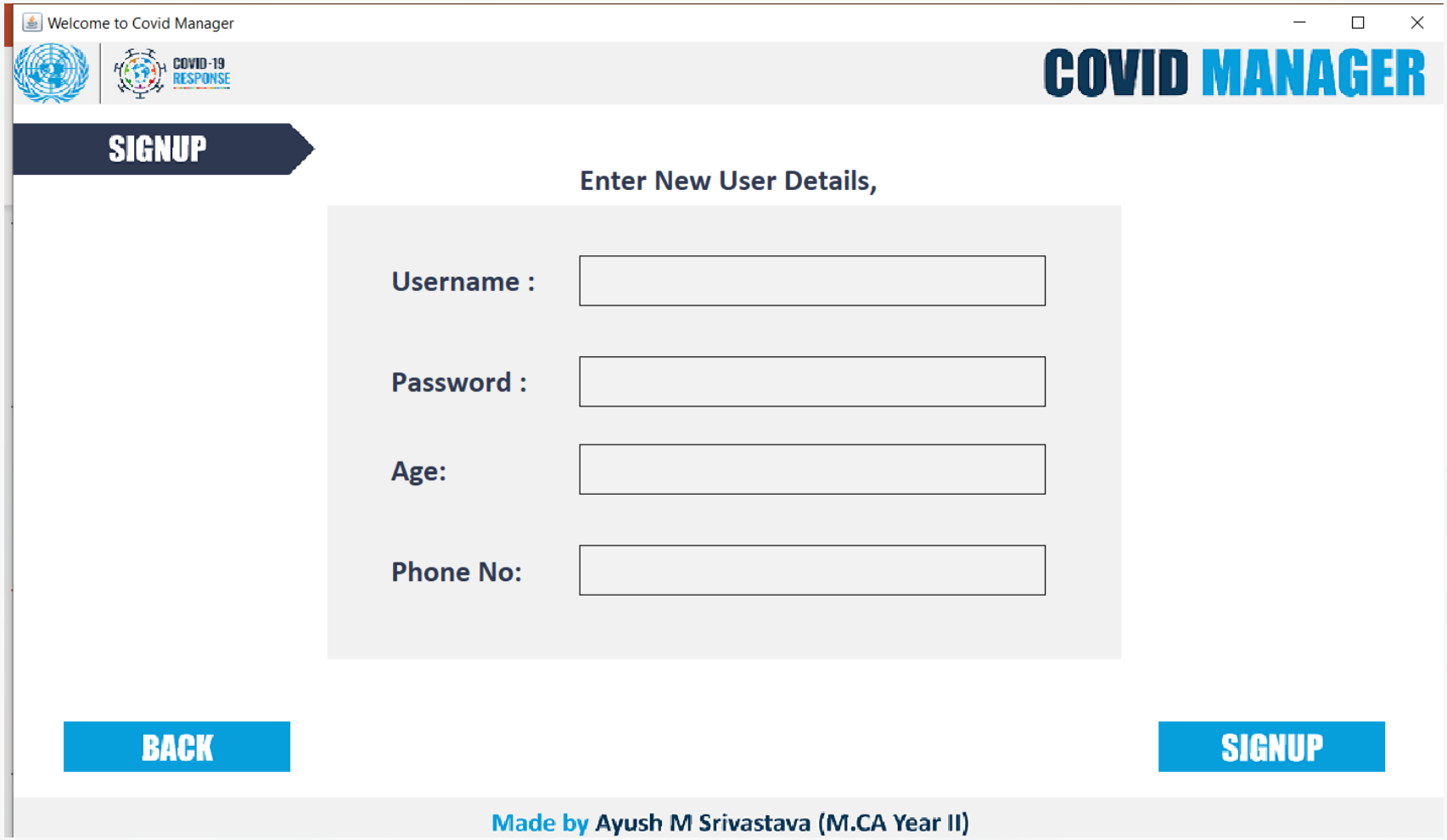


HomePage

SCREENSHOTS

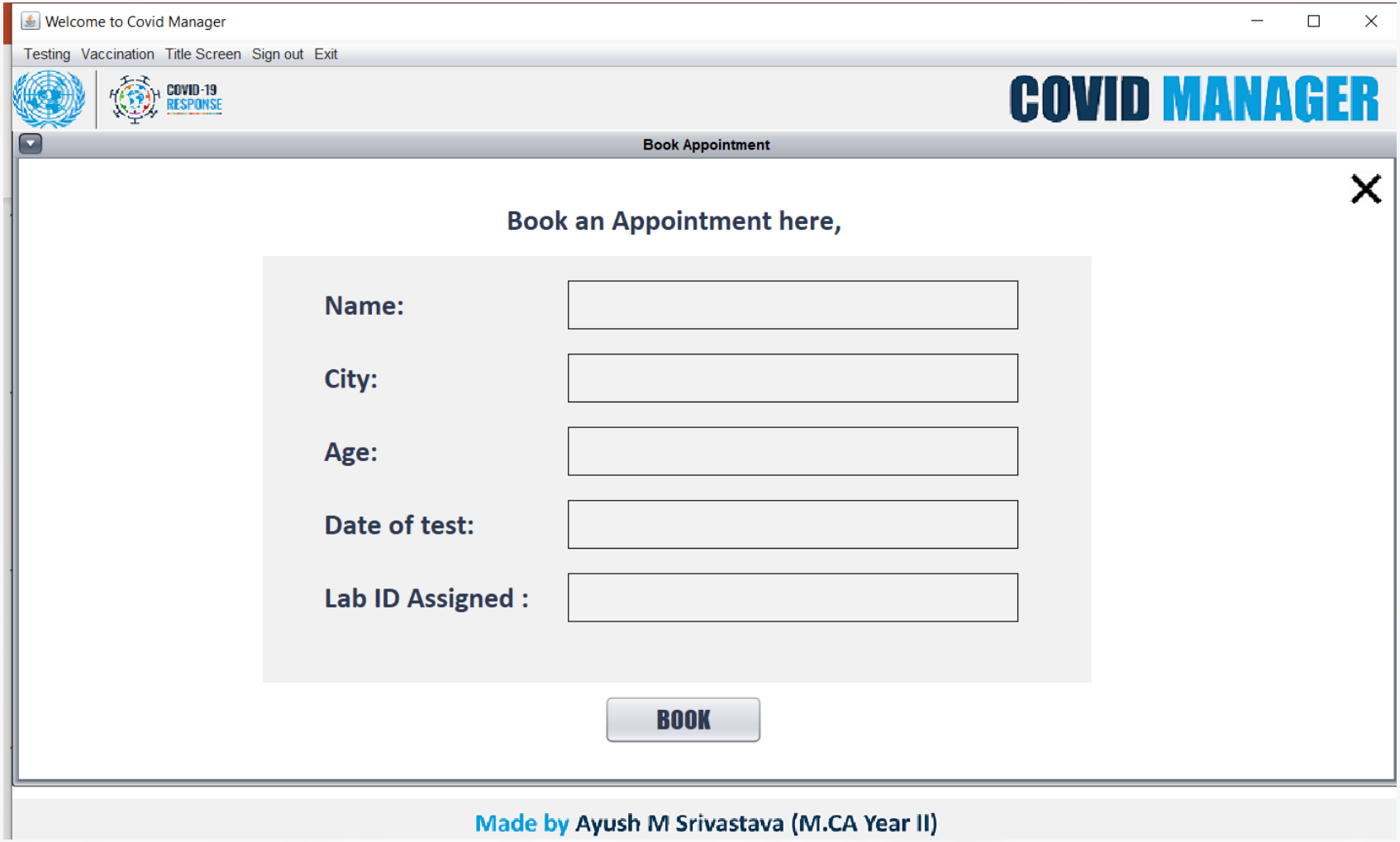
User Login Page

SCREENSHOTS



User SignUp

SCREENSHOTS



Book Appointment

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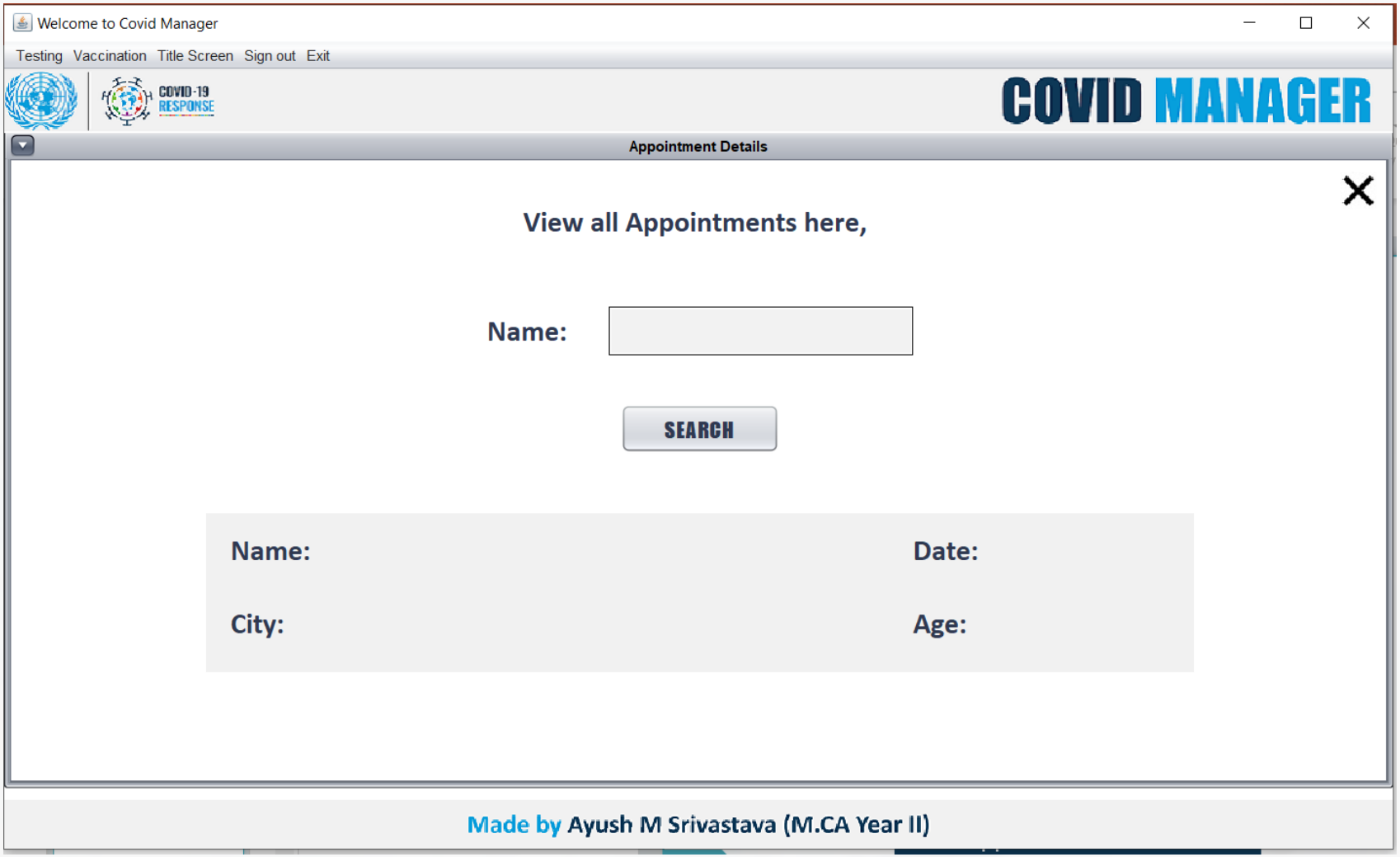

Appointment Details

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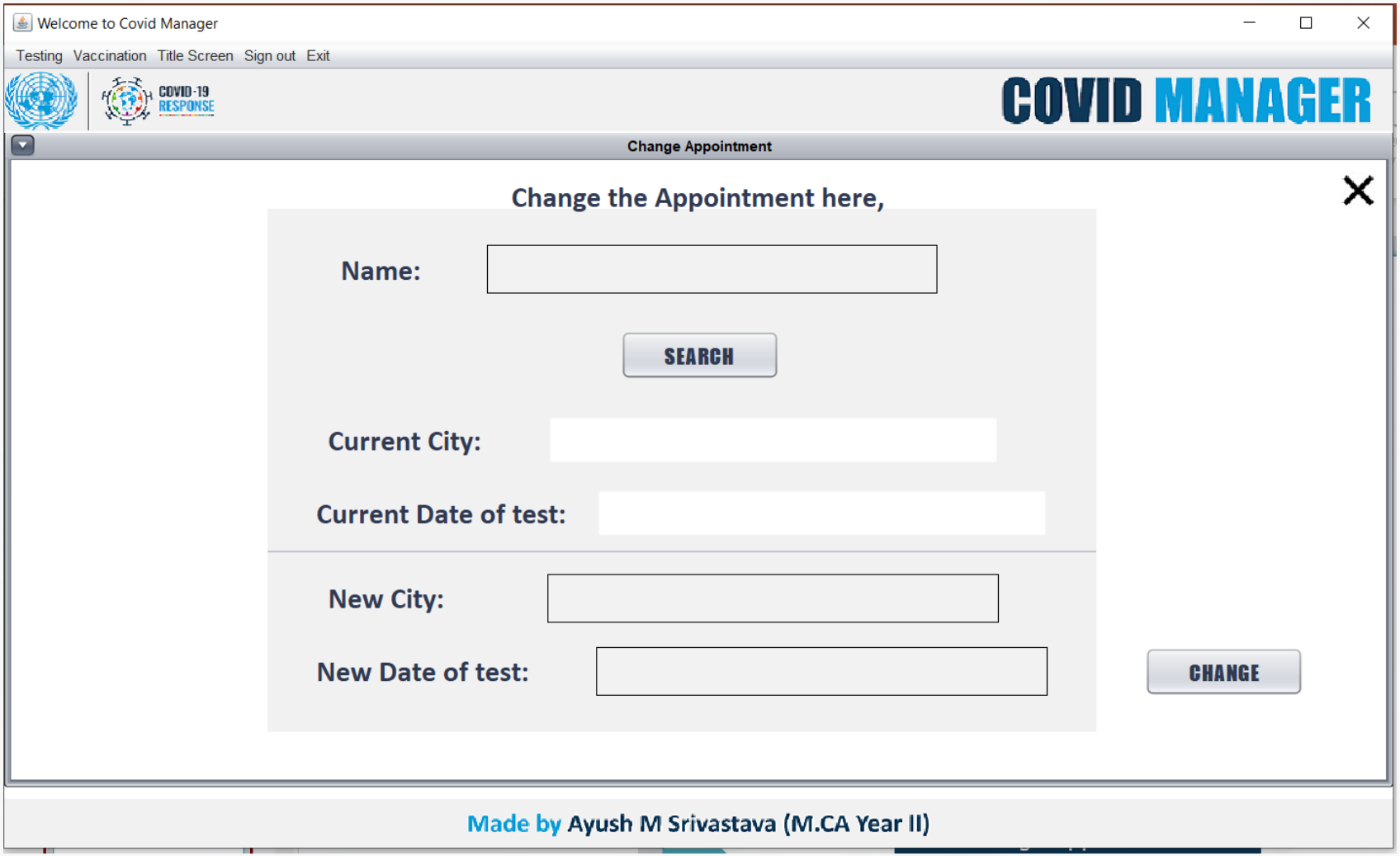

Change Appointment

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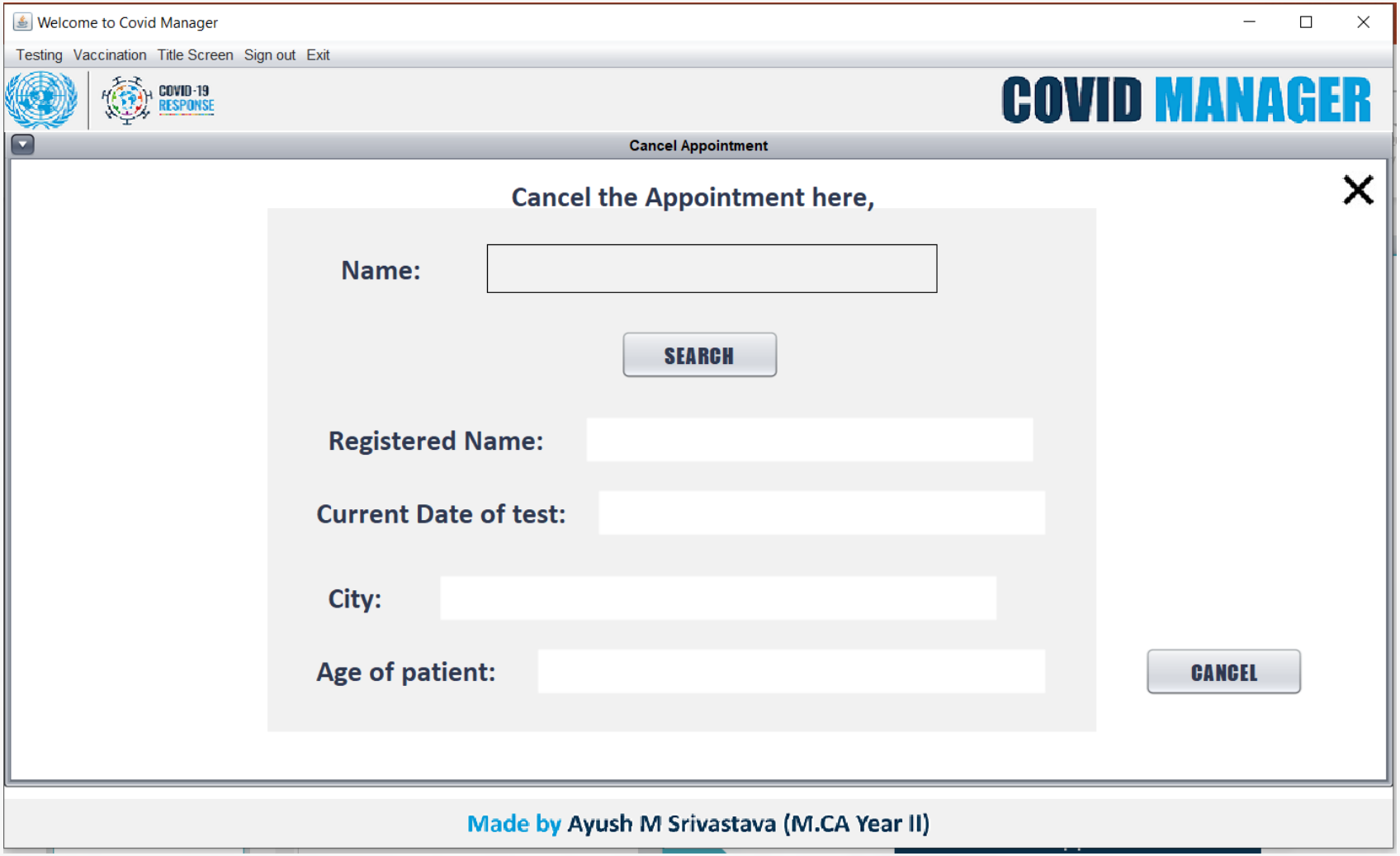

Cancel Appointment

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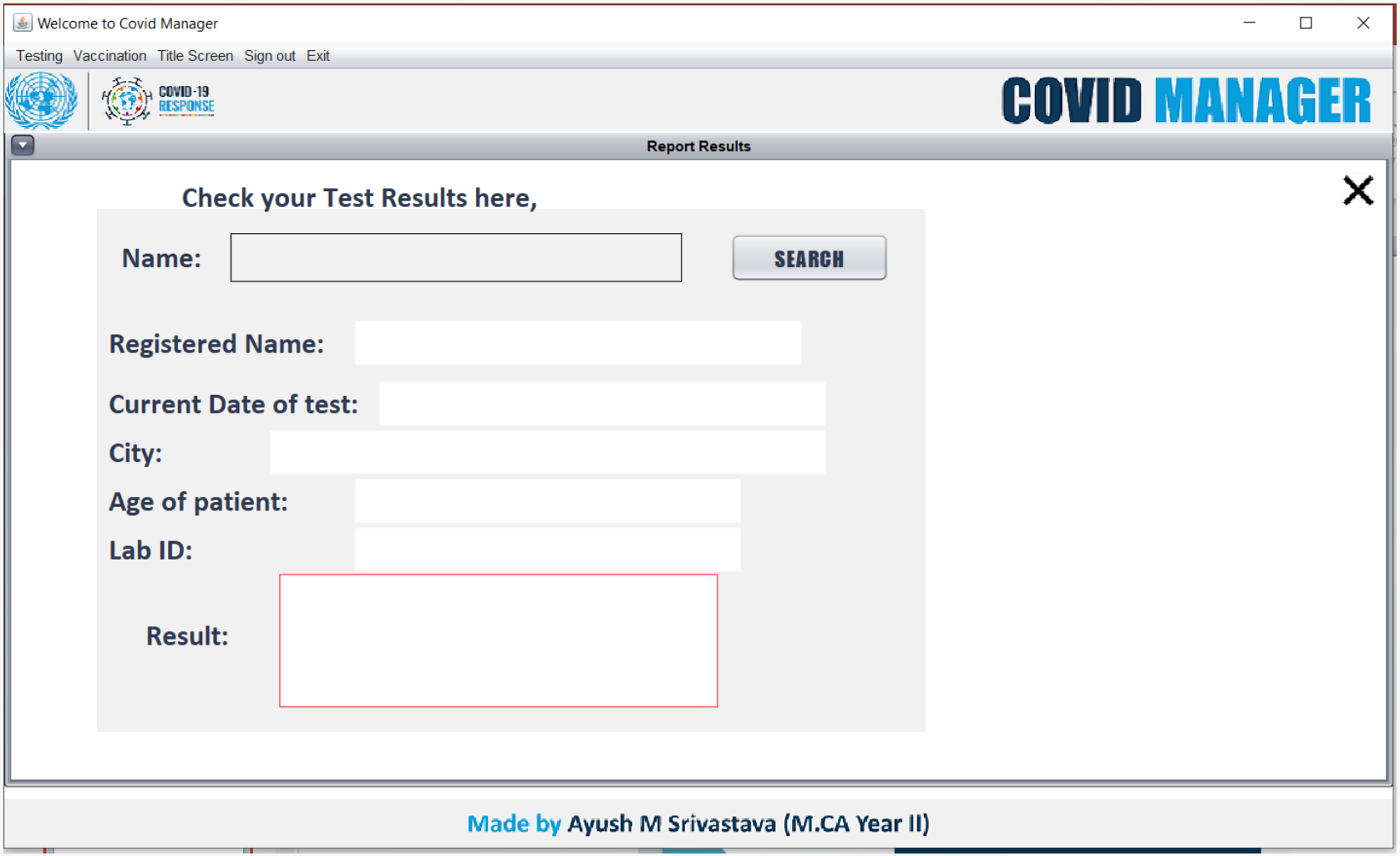
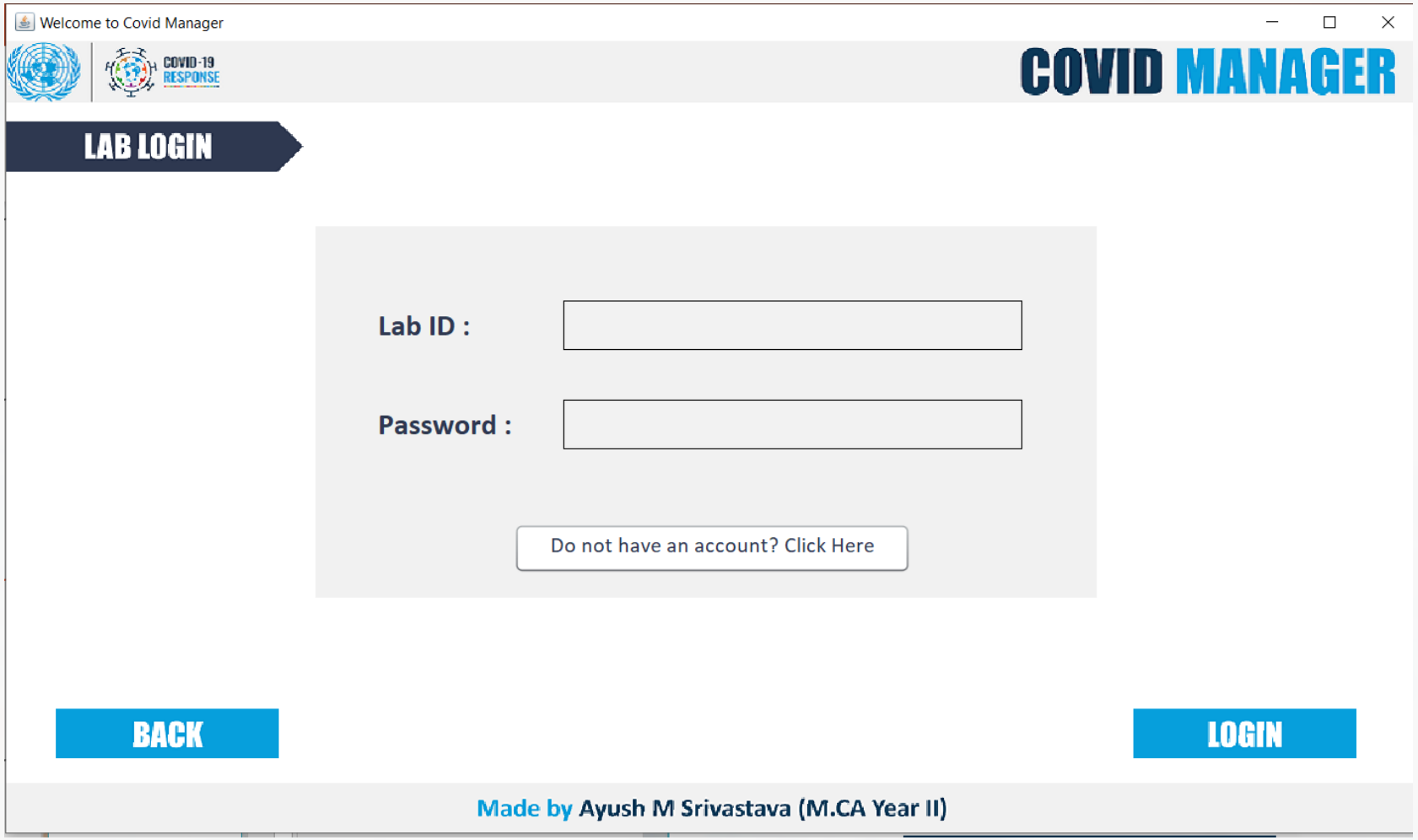


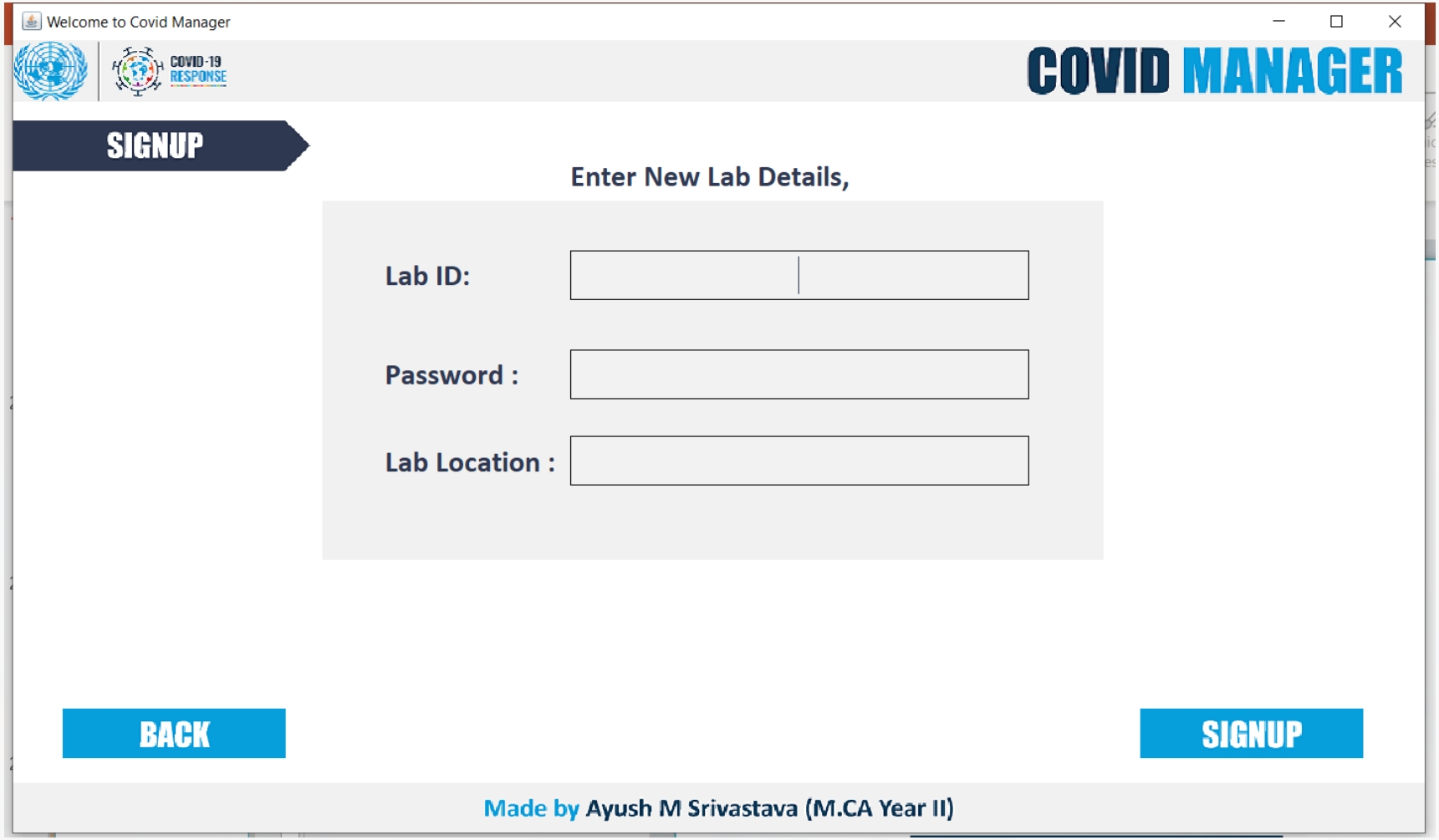
Check Results

SCREENSHOTS



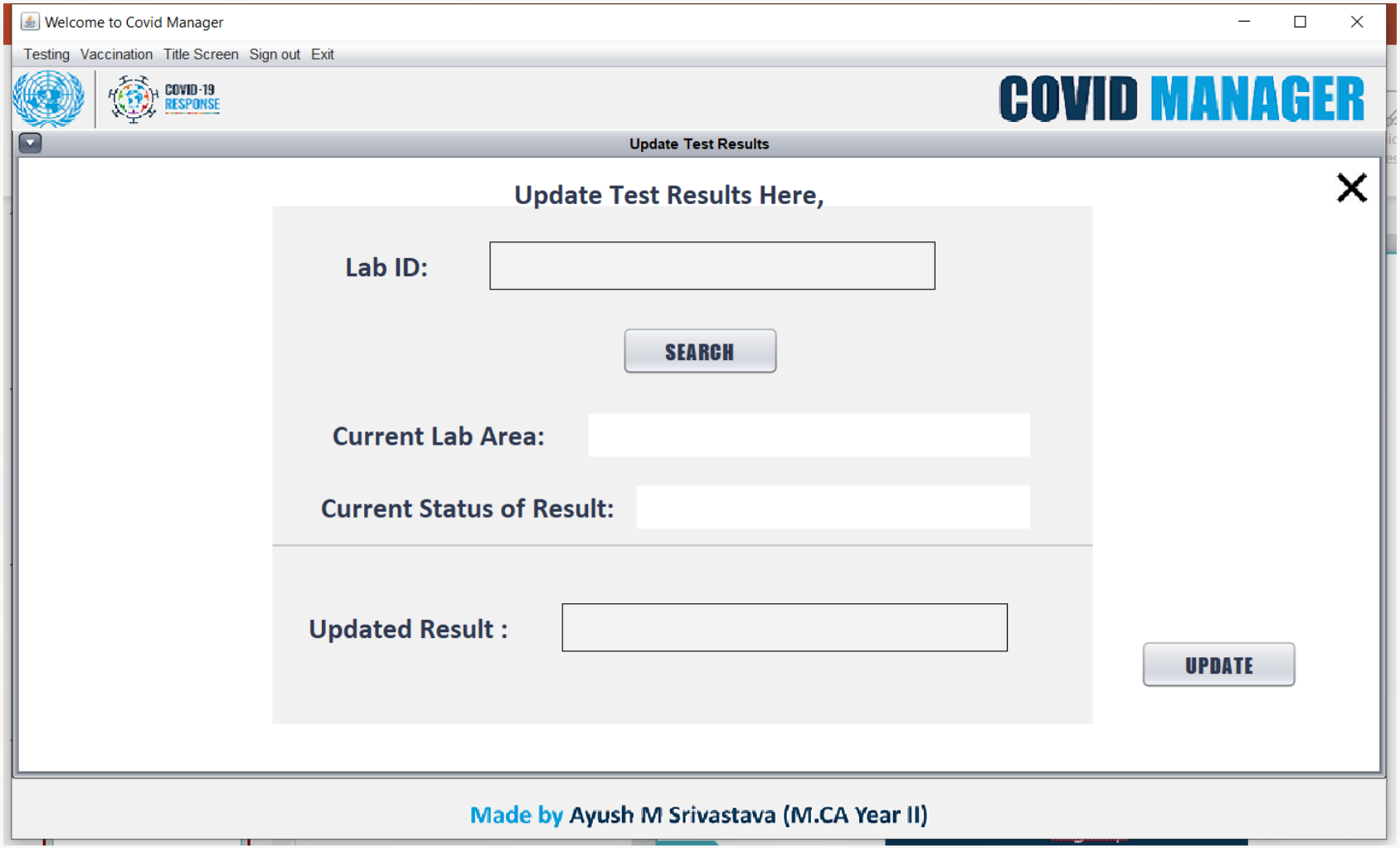
Lab Login Page

SCREENSHOTS



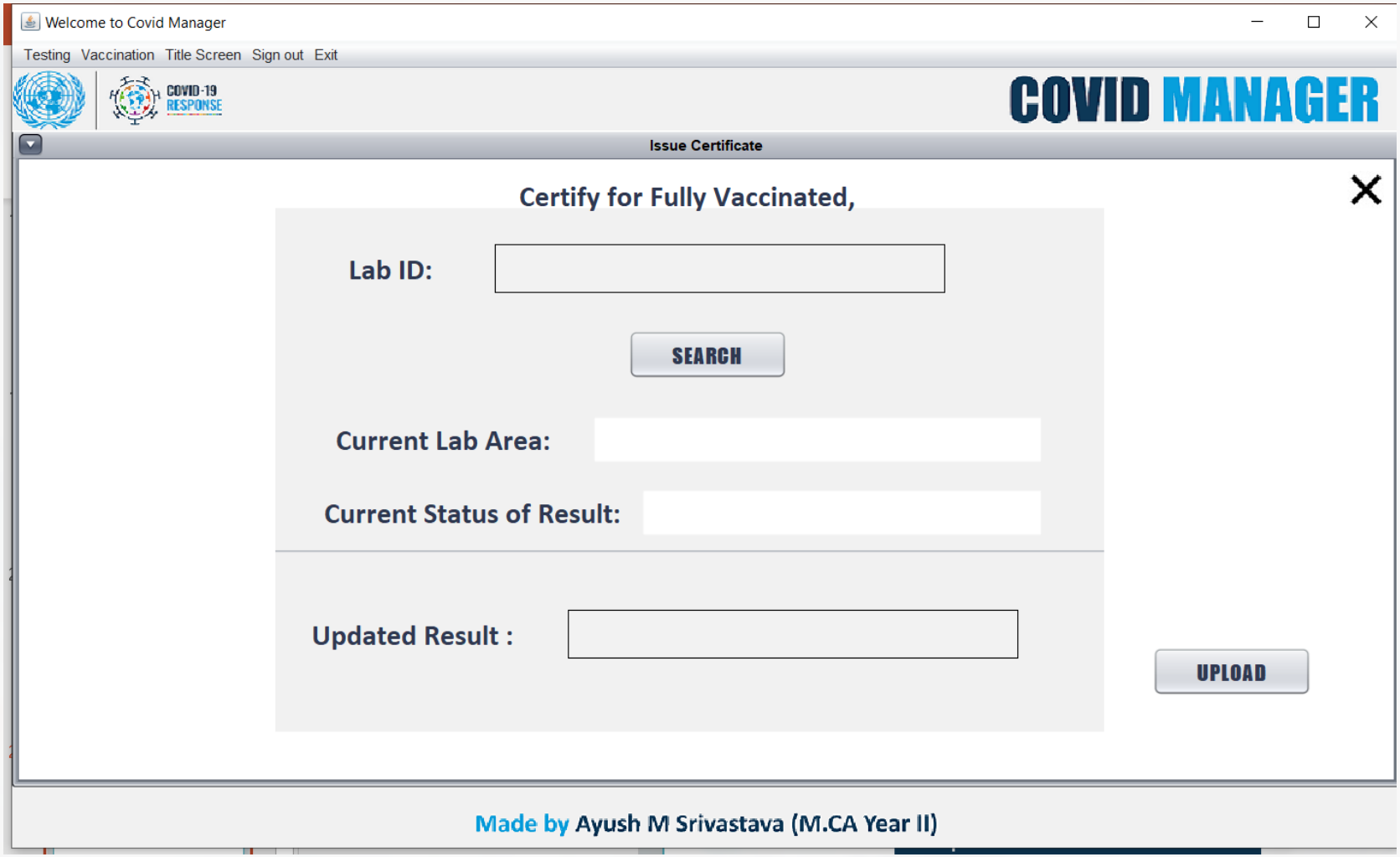
Lab SignUp

SCREENSHOTS



Update Test Results

SCREENSHOTS



Update Vaccination Result

CONCLUSION

1.Project Background:

Developed in response to the COVID-19 pandemic, addressing the need for efficient management of vaccination and testing-related information.

2.Aims and Objectives:

Specifies objectives to integrate technology into healthcare, creating user-friendly systems for vaccination and testing management.

3.Purpose, Scope, and Applicability:

Defines the project's purpose, outlines scope, and highlights applicability, emphasizing user-centric design and laboratory integration.

4.Problem Definition:

Identifies challenges such as fragmented information, communication gaps, documentation issues, and data security concerns as intervention areas.

5.System Requirements and Actions:

Details system specifications and actions, providing a structured roadmap for development.

6.Implementation and Testing:

Ensures rigorous implementation and testing, adhering to predefined test cases for an effective, secure, and user-centric solution.

Thankyou !
ayushmohan