Maharashtra State Board Of Technical Education, Mumbai

A MICRO PROJECT PROPOSAL ON

"Vaccination Management System"

UNDER THE SUBJECT

"Advance Java Programming"

COMPUTER ENGINEERING

DEPARTMENTACADEMIC YEAR

2023-2024

UNDER THE GUIDANCE OF

Mr. B. P. Mulla

GOVERNMENT POLYTECHNIC, MIRAJ.

Certificate

This is to certify that, as part of the partial fulfilment of the Third Years Diploma Course for the semester fifth, studying in Third Year Diploma (Computer), I Scheme **Yash Uday Inamdar.** have completed the project report titled as "Vaccination Management System"– AJP (Advance Java Programming) under the guidance of Mr. B. P. Mulla and submitted it to Government Polytechnic, Miraj. The information presented in this project report has not been submitted earlier.

Place: Govt. Polytechnic, Miraj

Date: / / 2023

Mr. B. P. Mulla	Dr. Prof. V. R. Falmari	Capt. Dr. N. P. Sonje
(GUIDE)	**(HOD)**	**(PRINCIPAL)**

ACKNOWLEDGEMENT

We take it is an opportunity to thank all those who have directly and indirectly inspired, directed and assisted us towards successful completion of this project report. We express our sincere thanks to the Prof. Nitin Sonje & the Head of Department, Mr. V. R. Falmari for having us allowed to submit this report as part of our academics learning. We express our sincere thanks to Mr. B. P. Mulla, Lecturer in Computer Department, Government Polytechnic, Miraj for encouragement throughout the project report and guideline in designing & working out this project.

Place: Govt. Polytechnic, Miraj

Date: / / 2023

Yours Sincerely .

Yash Uday Inamdar

Part I Annexure I

Micro-Project Proposal

Title of Micro-project: -

"Vaccination Management System"

(1.0) Aim of Micro-project: -

Some of the Benefits of the micro-project are as follows:

- The major purpose of this AJP Project to Give Information about acquiring knowledge about Advance java.
- This project also give knowledge about the Application and use of Advance Java in developing a billing system.
- State Importance of Advance Java & it's features in platform independency.

(2.0) Course Outcomes addressed: -

- Develop programs using Object Oriented Methodology in java.
- Use AWT Component.
- Use SWING Component.
- Apply Event Handling Concepts.

(3.0) Proposal Methodology:

The steps involved in the proposed methodology are:

1) Selection and finalization of topic.

In this step we are searching different topics for micro-project,

- Hotel Management System
- Hospital Management System
- Vaccination Management System
- The Bank Management System

From this we selected The Vaccination Management System for micro-project also we have taken the approval from the subject Teacher.

2) Information Gathering:

In this step we are going to search the various information about vaccines we are going to visit various websites for this information gathering.

3) Creating functions & User defined Exception

In this step we are going to design various functions to build a source code. Here we are going to use various methods of predefined packages and various attributes for Vaccines and also other necessary tools for completion of system development.

4) Execution & debugging the source code:

In this step we are going to compile & interpret the code.

5) Preparation of report:

In this step we are going to prepare micro-project report part A and Part B as per given guidelines.

(4.0) Resources Required: -

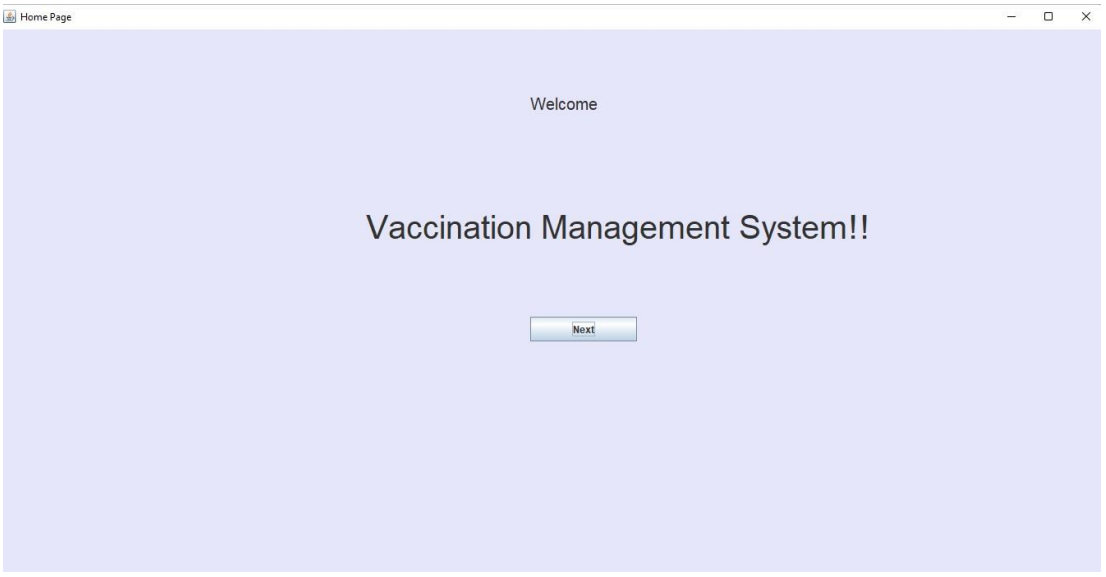
Sr No.	Software	Hardware
1)	JDK (Java Development Kit)	Device name LAPTOP-6G2BT0A4 Processor:11th Gen Intel(R) Core (TM) i3- Installed RAM:8.00 GB (7.75 GB usable)
2)	Microsoft word	

(5.0) Action Plan: -

Sr No.	Details Of Activity	Plan Start date	Plan enddate
1)	Selection Of topic for Micro-project		
2)	Creating the Proposal		
3)	Literature review of micro-project		
4)	Collection of Information About billing system		
5)	The development of project i.e., Coding (Source code)		
6)	Record-keeping &Documentation tasks		
7)	Creating a micro-project report		
8)	Evaluating the microproject with teacher guidance.		

Project Output :-

1.



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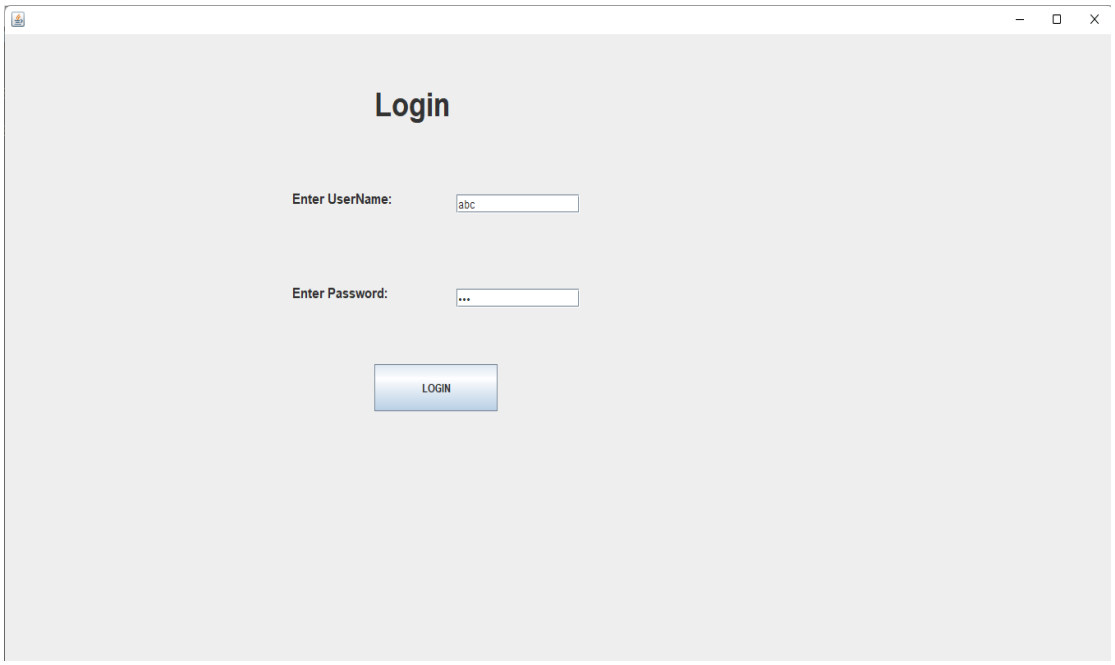

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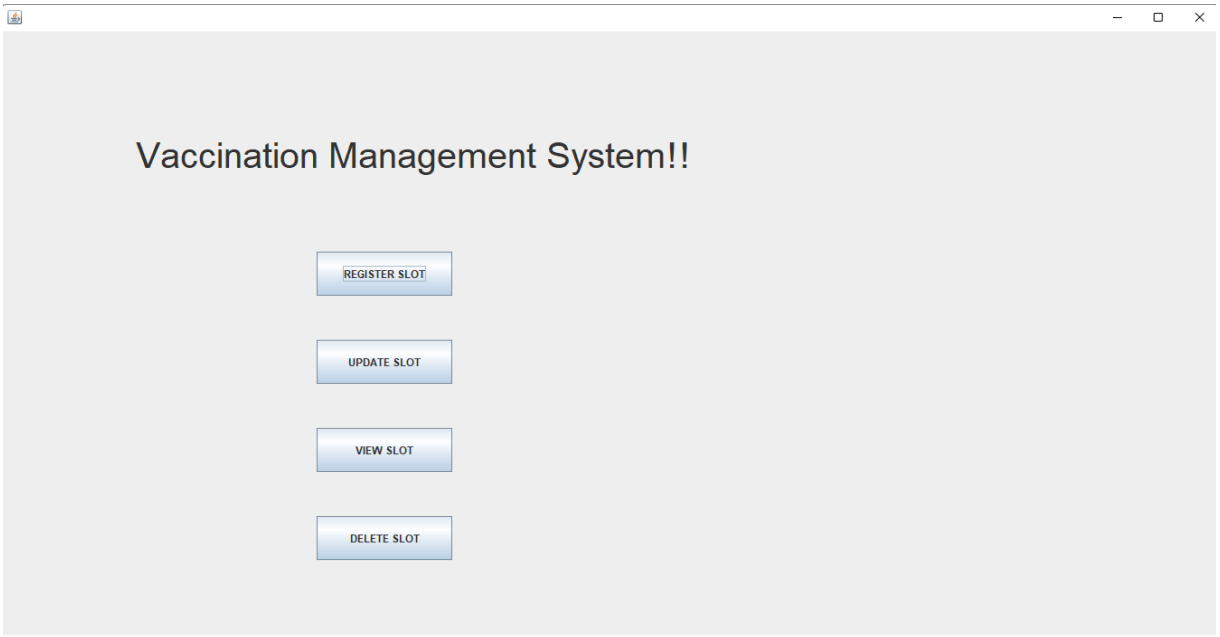
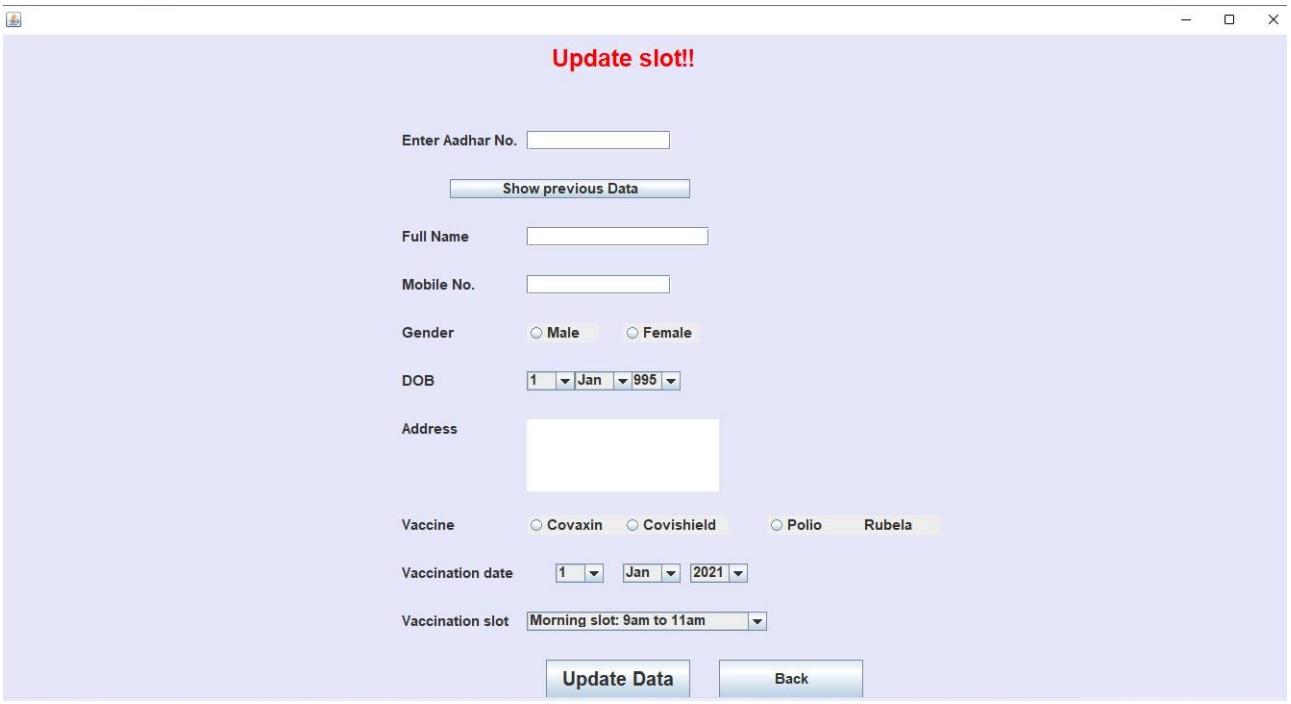

Vaccination Management System!!
REGISTER SLOT
UPDATE SLOT
VIEW SLOT
DELETE SLOT

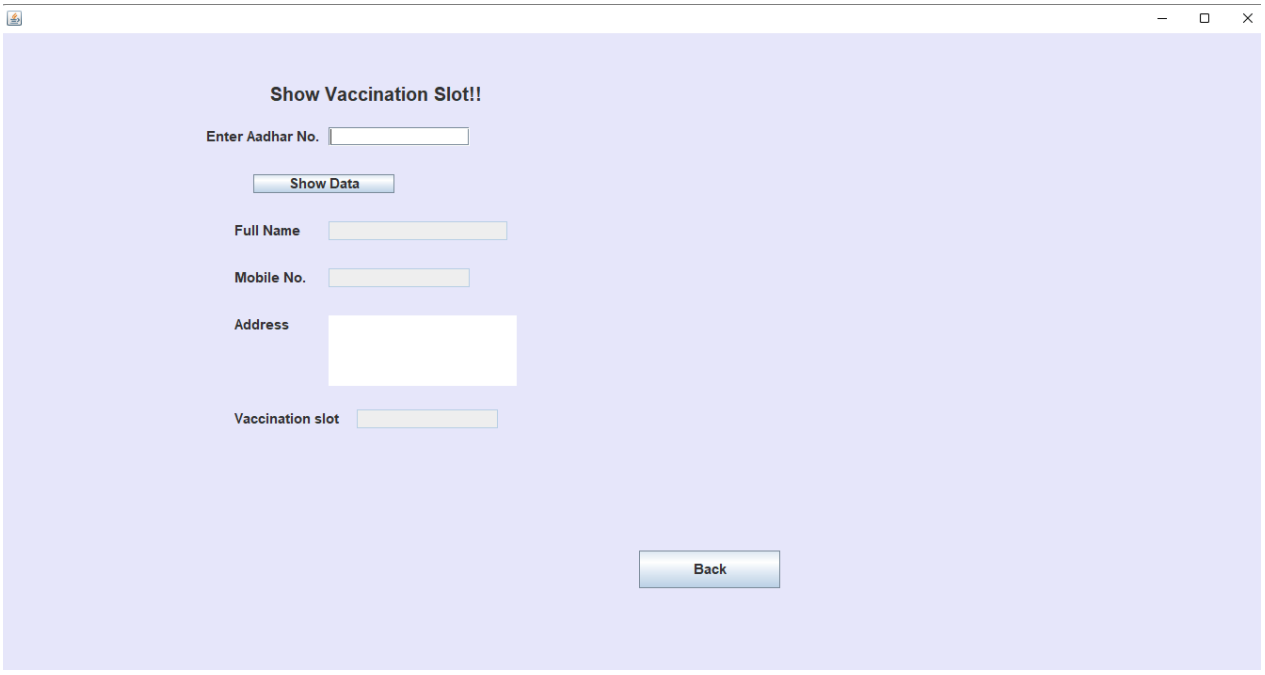
4.

Register slot!!
Full Name
Mobile No.
Aadhar No.
Gender
Male
Female
DOB
1
Jan
1995
Address
Vaccine
Covaxin
Covishield
Polio
Rubela
Vaccination date
1
Jan
2021
Vaccination slot
Morning slot: 9am to 11am
Register
Back

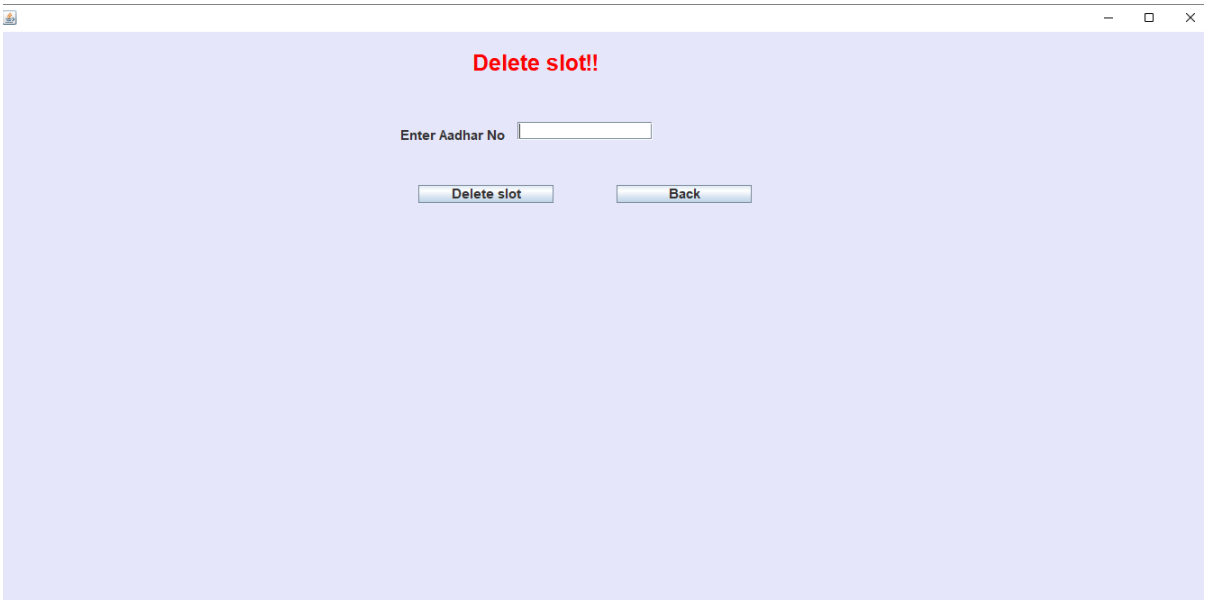
5.


Update slot!!
Enter Aadhar No.
Show previous Data
Full Name
Mobile No.
Gender
Male
Female
DOB
1
Jan
995
Address
Vaccine
Covaxin
Covishield
Polio
Rubela
Vaccination date
1
Jan
2021
Vaccination slot
Morning slot: 9am to 11am
Update Data
Back

6.


Show Vaccination Slot!!
Enter Aadhar No.
Show Data
Full Name
Mobile No.
Address
Vaccination slot
Back

7.



Part II **Annexure II**

Micro-Project Report

Title of micro-project:

"Vaccination Management System"

1.0 Rationale:

Vaccination Management system is a system for managing the vaccination procedure in an efficient way. It provides an easy way to people for registering, updating, viewing and deleting their slots. The main objective of this system is to createa user friendly system.

Vaccination plays an important role in everyone's life. So to ensure the proper vaccination of people with the available vaccines, this management system proves to be useful. It helps user to easily to book a slot as per their available time schedule. This system also keeps a record of user information in order to provide easy updation and deletion.

2.0 Aims /Benefits of the micro-project:

Some of the Benefits of the micro-project are as follows:

- The major purpose of this AJP Project to Give Information about acquiring knowledge about Advance java
- This project also give knowledge about the Application and use of Java in developing a management system.
- State Importance of Java & it's features in platform independency.

3.0 Course outcomes related micro-project:

- Develop programs using Object Oriented Methodology in Advance java.
- Use AWT Component.
- Use Swing Component.
- Apply Event Handling Concepts.

4.0 Literature review:

Advance Java provides us the facility to create our own exceptions which are basically derived classes of Exception. Creating our own Exception is known as a custom exception or user- defined exception.

literature review aims to explore the existing literature on bank management systems developed using Java.

5.0 Actual Resources Used:

Sr No.	Software	Hardware
1)	JDK (Java Development Kit)	Device name LAPTOP-6G2BT0A4 Processor:11th Gen Intel(R) Core (TM) i3- Installed RAM:8.00 GB (7.75 GB usable)
2)	Microsoft word	

6.0 Actual methodology followed-

The steps involved in the proposed methodology are:

1) Selection and finalization of topic.

In this step we have searched different topics for micro-project,

- Hotel Management System
- Hospital Management System
- Vaccination Management System
- The Bank Management System

From this we selected The Vaccination Management System for micro-project also we have taken the approvalfrom the subject Teacher.

2) Information Gathering:

In this step we searched the various information about bill & their Calculation we are going to visit various websites for this information gathering.

3) Creating functions & User defined Exception

In this step we designed various functions to build a source code. Here we used various methods of predefined packages and various attributes for Vaccines and also other necessary tools for completion of system development.

4) Execution & debugging the source code:

In this step, we compiled & interpreted the code.

5) Preparation of report:

In this step we prepared micro-project report part A and Part B as per given guidelines.

7.0 Skill developed /learning outcomes:

- The concept of project understood.
- Implementation of the self-development process.
- The structure and requirement of proposal and report understood.
- How to search information and use of different online tools come to know.

8.0 Application of Project:

- Vaccine administration
- Global Record For Vaccines
- Hospitals
- Health Centers

9.0 Conclusion :

Thus, we have successfully develop Vaccination Management System using Advance Component in Java And also use Event handling Concept.

Department of Computer Engineering

Name of Student: Yash Uday Inamdar **Enrollment No:** 2101310132

Name of Programme: Computer Engineering **Semester:** 5TH

Course Title: AJP **Code:** 22517

Title of Micro Project:- Multi-threading concepts for Copying File Contents

Roll No.	(A) Process and Product Assessment (6 Marks)	(B) Individual Presentation / Viva (4 Marks)	Total Marks 10
21321			

Sr. No.	Characteristics to be assessed	Poor (Marks 1-3)	Average (Marks 4-5)	Good (Marks 6-8)	Excellent (Marks 9-10)	Sub Total
(A)Process & Product Assessment (convert above total marks out of 6 marks)						
1	Relevance to the course					
2	Literature review/information n collection					
3	Completion of the target as per project proposal					
4	Analysis of data and representation					
5	Quality of prototype/model					
6	Report preparation					
(B) individual presentation / Viva (convert above total marks out of 4 marks)						
7	Presentation					
8	Viva					

Comments / Suggestions about teamwork/leadership / interpersonal communication (if any)

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Name and designation of the teacher:

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Date:- Signature:-