

# Vaccine Management System

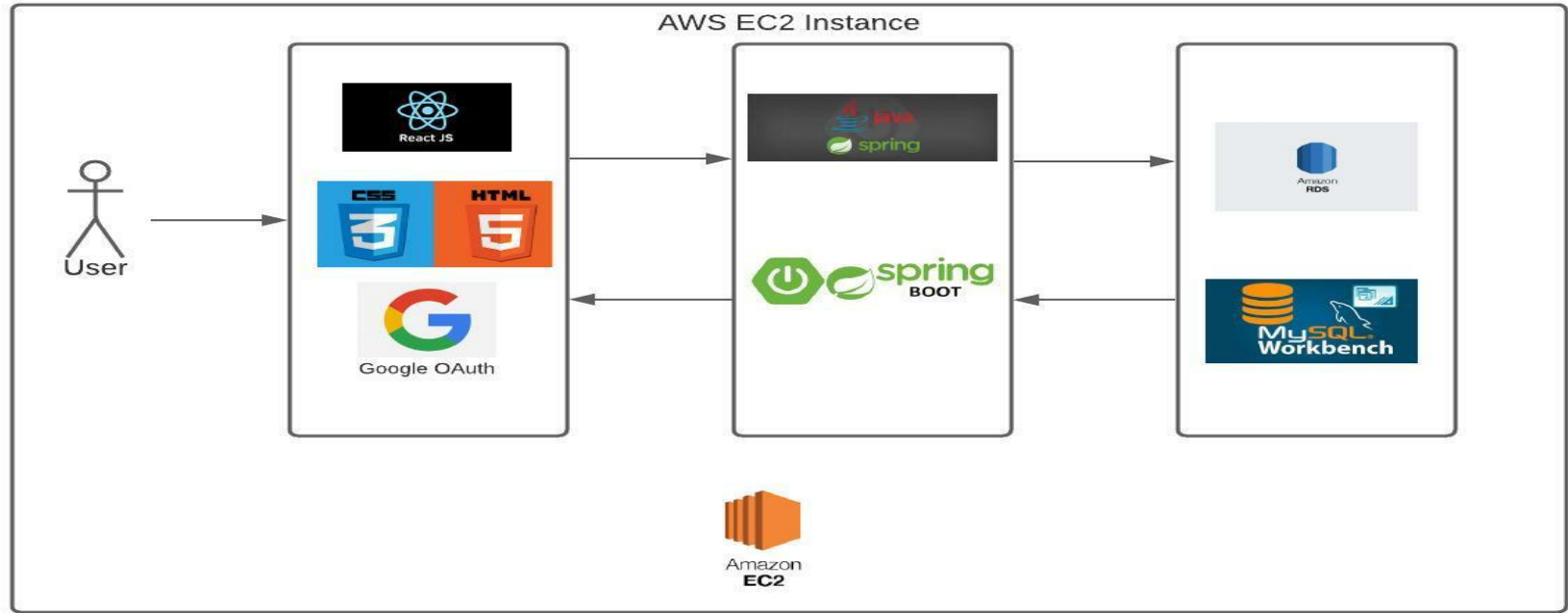
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# Introduction

- An application based on a portal for tracking vaccine appointments, status.
- Application is based on 2 personas- Patient and Admin.
- User can create and login to an account using various details.
- Patient can create, view, change and cancel the appointments.
- Admin is allowed to view clinic appointments, add disease, add vaccine, add clinics. Admin can also update the vaccination status.

# System Design



# Technology Stack

Below are the following technologies used for developing the application:

- Frontend: React, HTML5, CSS, Bootstrap.
- Backend: Java, Spring Boot.
- Database: AWS RDS MySQL.
- Cloud Technologies: AWS EC2.

# Major Features

- Login/Signup using basic details or Google Authentication.
- Create, View, Change, Delete Appointment by Patient.
- Check In allowed 24 hours before the appointment for Patient.
- Add Disease, Vaccine, Clinic by Admin.
- Update the Vaccination status by Admin.

# Screenshots of Important Features

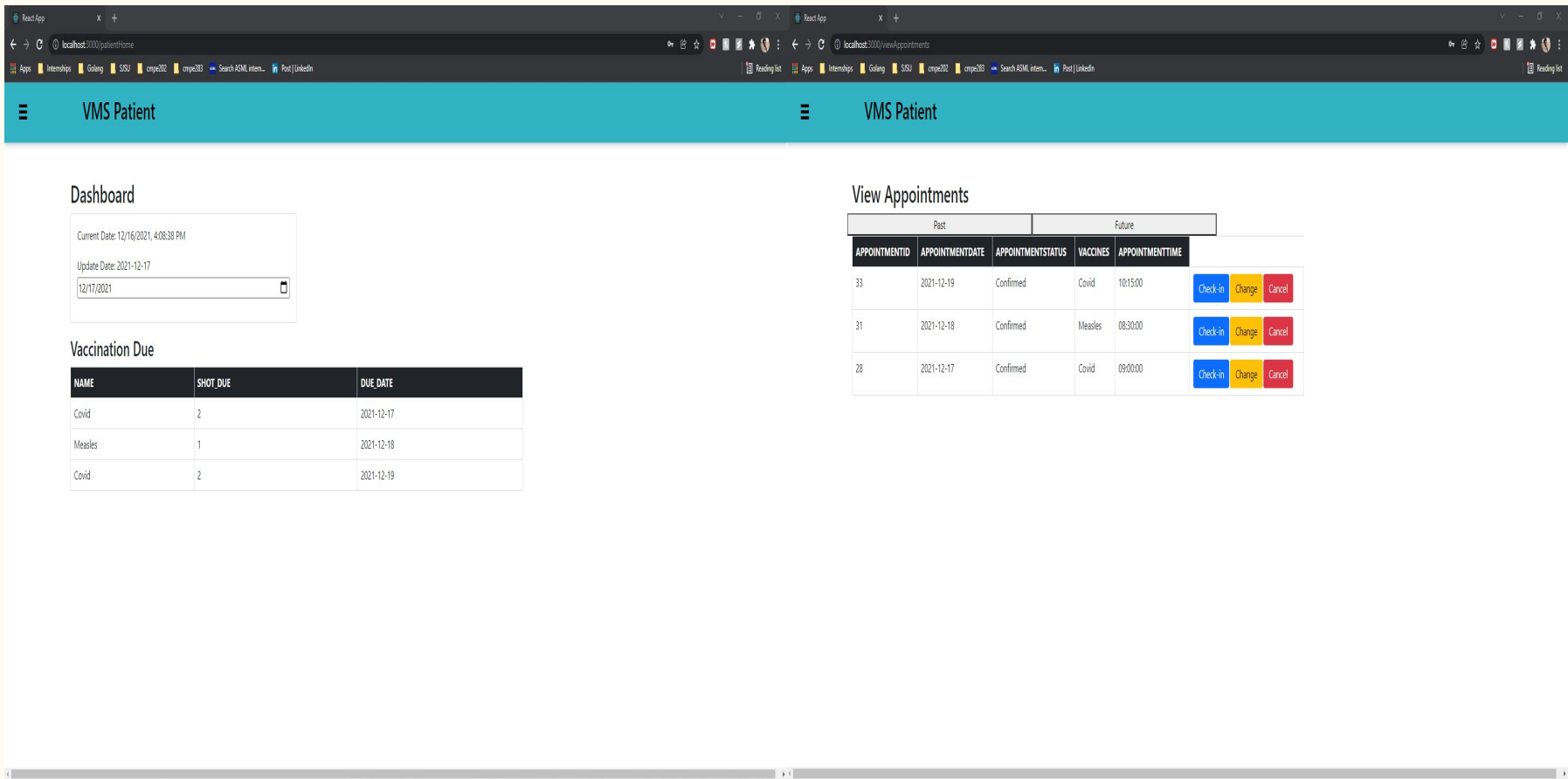
The image displays two screenshots of the Vaccine Management System web application, showing the login and registration interfaces.

**Left Screenshot (Login Page):**

- Header: Vaccine Management System, Login, Sign Up
- Section: Vaccine management system
- Form: Sign in as Patient
- Message: Welcome Back!
- Input Fields: ,
- Buttons: Sign in, Sign in with Google
- Footer: New to VMS? Create an account

**Right Screenshot (Registration Page):**

- Header: Vaccine Management System, Login, Sign Up
- Form: First Name, Middle Name (Optional), Last Name, mm/dd/yyyy, User Type Patient, Gender ☐ Male ☐ Female ☐ Other, Street number, City, -, Select Country, Zip code,



## Dashboard

Current Date: 12/16/2021, 4:08:38 PM

Update Date: 2021-12-17

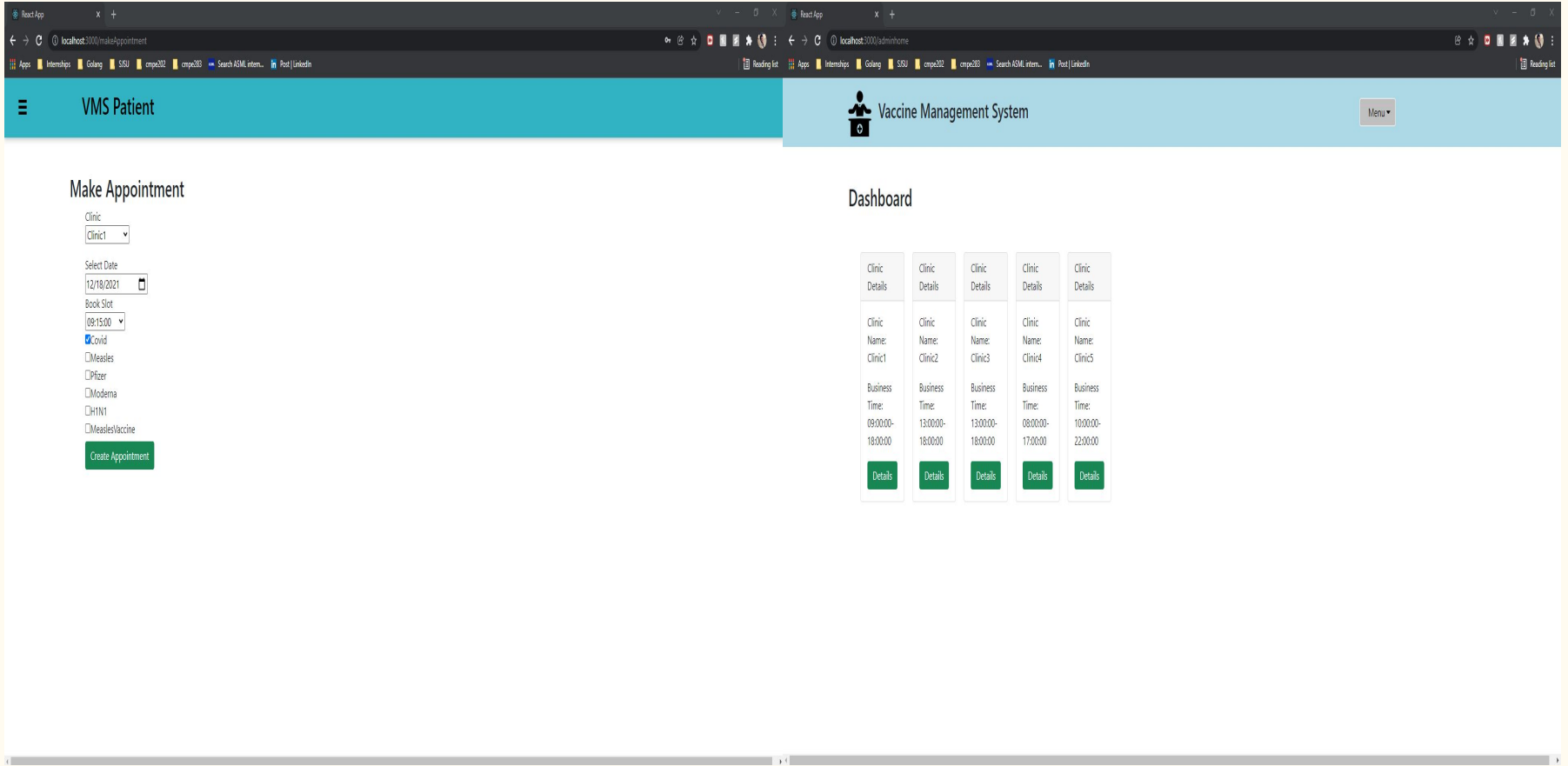
12/17/2021

## Vaccination Due

NAME	SHOT_DUE	DUE_DATE
Covid	2	2021-12-17
Measles	1	2021-12-18
Covid	2	2021-12-19

## View Appointments

Past			Future		
APPOINTMENTID	APPOINTMENTDATE	APPOINTMENTSTATUS	VACCINES	APPOINTMENTTIME	
33	2021-12-19	Confirmed	Covid	10:15:00	<button>Check-in</button> <button>Change</button> <button>Cancel</button>
31	2021-12-18	Confirmed	Measles	08:30:00	<button>Check-in</button> <button>Change</button> <button>Cancel</button>
28	2021-12-17	Confirmed	Covid	09:00:00	<button>Check-in</button> <button>Change</button> <button>Cancel</button>



## Make Appointment

Clinic  
Clinic1

Select Date  
12/18/2021

Book Slot  
09:15:00

☒ Covid  
☐ Measles  
☐ Pflizer  
☐ Moderna  
☐ HTN1  
☐ MeaslesVaccine

Create Appointment

## Dashboard

Clinic Details	Clinic Details	Clinic Details	Clinic Details	Clinic Details
Clinic Name: Clinic1	Clinic Name: Clinic2	Clinic Name: Clinic3	Clinic Name: Clinic4	Clinic Name: Clinic5
Business Time: 09:00:00- 18:00:00	Business Time: 13:00:00- 18:00:00	Business Time: 13:00:00- 18:00:00	Business Time: 08:00:00- 17:00:00	Business Time: 10:00:00- 22:00:00
Details	Details	Details	Details	Details



**Demo**