

CIS 9590 – PROJECT PHASE 3 SUMMARY

VACLIFE – BRIDGING GAPS BETWEEN COVID-19 VACCINE DEMAND AND SUPPLY



TEAM CROCAGILE

AARIF JAHAN, JASON SINCHI, JING CHEN, KRISTIN SINGH, YUN CHEN

AUGUST 1ST, 2021

AGENDA

Project
Background

Deployment
Plan

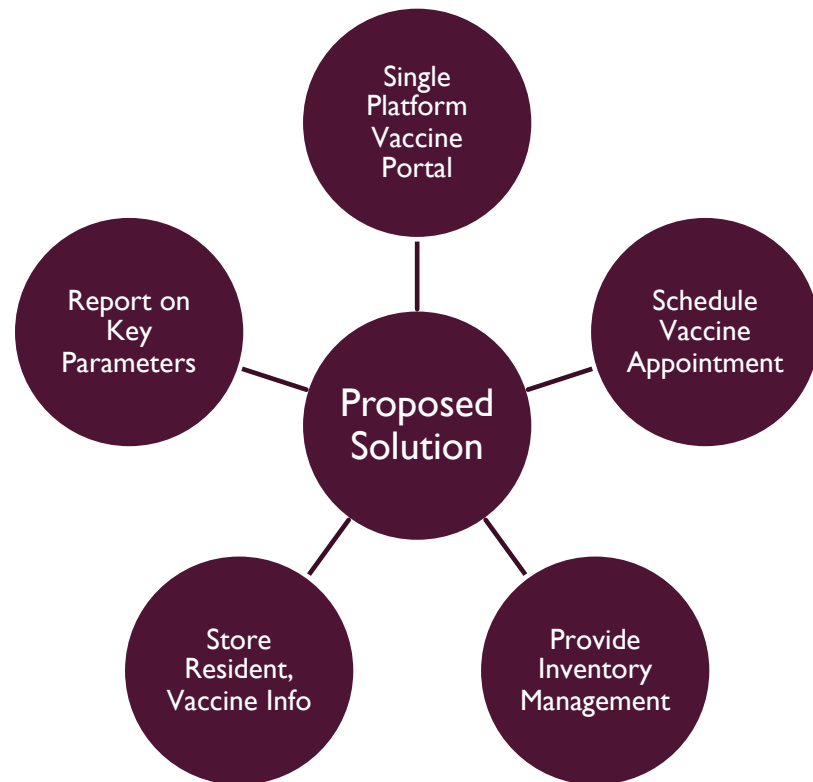
Rollout
Plan

Training
Plan

Status &
Progress

Demo

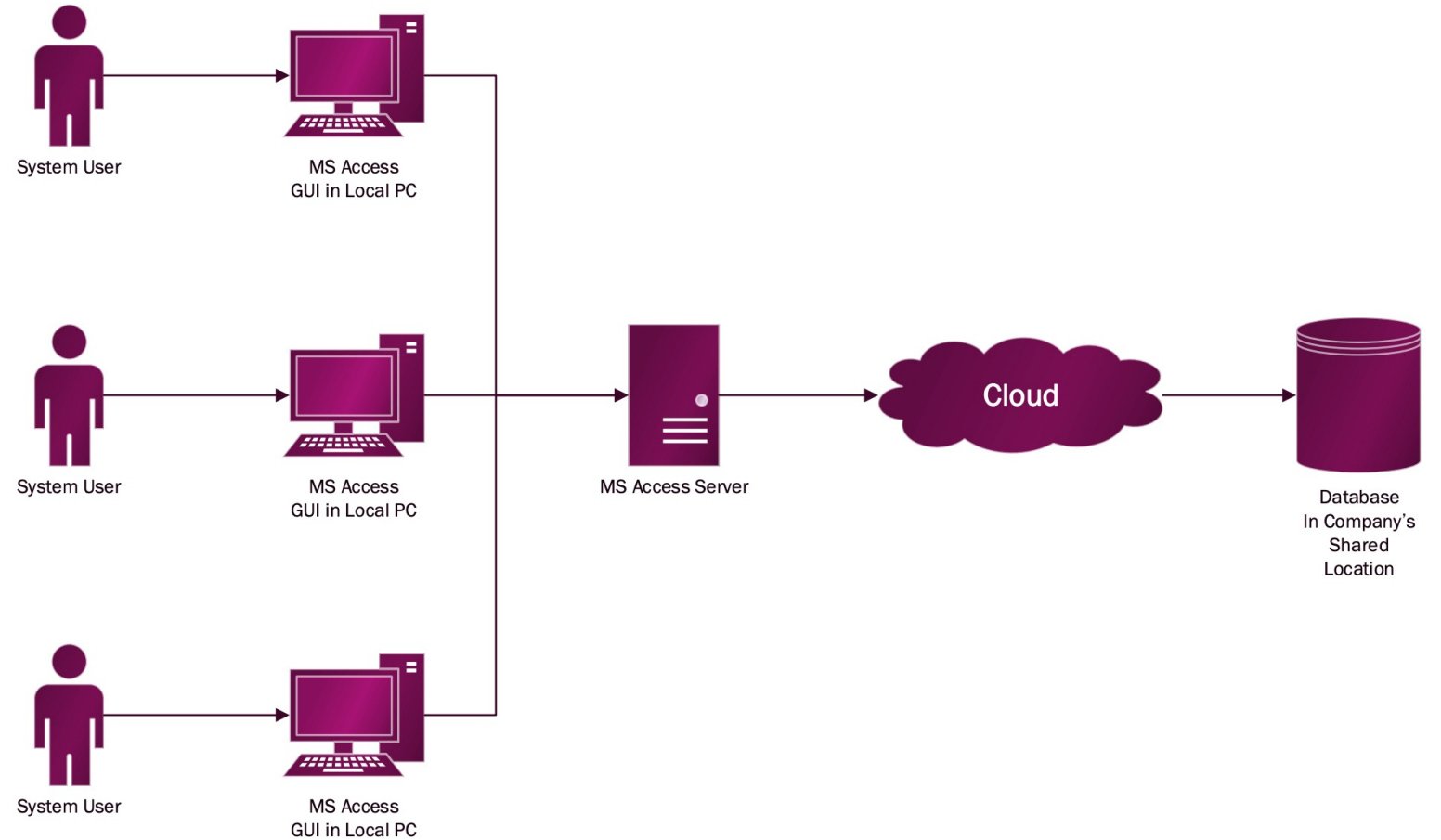
PROJECT BACKGROUND



VacLife - Vaccine Database Main Menu						
Appointment Forms						
Schedule New Appointment						
Appointment History						
Data Entry Forms						
Resident Info						
Eligibility Criterion Info						
Insurance Info						
Vaccination Info						
Vaccination Center Info						
Inventory Location Info						
Time Slots Info						
Appointment Date Info						
ZipCode Info						
Data Selection Forms						
Resident-Eligibility						
Resident-Insurance						
Reports						

COVID-19 Vaccine Appointments - Upcoming							Share
Appt. Date	Vaccine Type	Appt. Time	Appt. ID	Resident	Vaccine Dose		
Thursday, July 29, 2021	Moderna	8:00:00 AM	42	Jack Jones	First		
		4:00:00 PM	1	Jack Jones	First		
		5:00:00 PM	2	Ileana Gonzalez	First		
Saturday, July 31, 2021	Jansenn	8:00:00 AM	7	Felix Hernandez	Only		
		3:00:00 PM	4	Louis Armstrong	Only		
Saturday, July 31, 2021	Pfizer	10:00:00 AM	3	Josh Glazer	Second		
Sunday, August 1, 2021	Jansenn	3:30:00 PM	15	Louis Armstrong	Only		
Sunday, August 1, 2021	Moderna	10:00:00 AM	8	Jessica Ballard	First		
Sunday, August 1, 2021	Pfizer	8:30:00 AM	11	Luis Gonzalez	First		
Monday, August 2, 2021	Pfizer	2:30:00 PM	6	Jill Higgins	First		
Wednesday, August 4, 2021	Jansenn	2:00:00 PM	10	Beauty Dias	Only		
Wednesday, August 4, 2021	Moderna	8:00:00 AM	28	Jack Jones	First		
		11:30:00 AM	9	Luis Gonzalez	First		
Wednesday, August 4, 2021	Pfizer	3:30:00 PM	17	Rashid Khan	First		
Friday, August 6, 2021	Moderna	4:00:00 PM	16	Jill Higgins	Second		
Saturday, August 7, 2021	Moderna	3:30:00 PM	5	Rashid Khan	Second		
Sunday, August 8, 2021	Moderna	3:00:00 PM	25	Felix Hernandez			
Monday, August 9, 2021	Moderna	5:00:00 PM	20	Felix Hernandez	First		
Wednesday, August 11, 2021	Moderna	4:00:00 PM	35	Jim Beglin	First		

DEPLOYMENT DIAGRAM



TECHNOLOGY TABLE

Component	Description	Estimated Cost	Readiness	Person Responsible
Hardware	Laptop/Desktop	\$1200/user	Configurable settings completed; ready to install	System Administrator
	Central Server	\$10000/installation	Configurable settings completed; ready to install	Network Engineer
Software	MS-Access Back-End File	N/A	Programming completed; ready to install	Senior Data Engineer
	MS-Access Front-End File	N/A	Programming completed; ready to install	Senior Data Engineer
Platform	Network Storage	\$150/user/year	Subscription plan provided	Project Manager
	MS-Access License	\$250/user/year	Client purchased; standard from Microsoft marketplace	Client

DEPLOYMENT PLAN

-
- Split database
 - Front-end logic
 - Back-end data
 - Require NTFS security and network compatibility
 - Define user roles
 - Plan for scalability
 - Prepare package for client
 - Install package in client's system

ROLLOUT PLAN



Phase 1 – Planning

Identify activities



Phase 2 – Initiation

Prepare transition
Train users



Phase 3 – Execution

Begin implementation
Data migration/conversion
Phase out client's legacy system



Phase 4 – Completion

Complete full implementation

COMMUNICATION PLAN

Communication Topic	Communication Type	Medium/Platform	Project Stage	Person Responsible
Pre-rollout project status	Virtual meeting	Zoom	Before Rollout	Project Manager to conduct; All stakeholders to join
Rollout timeline	Virtual meeting	Zoom	Before Rollout	Project Manager to conduct; All senior-level managers, involved team members to join
System training	Virtual meeting	Zoom	During rollout	Project Manager to conduct; All team members and internal users to join
Launch announcement	Email	Company broadcast	Rollout	CEO to send out email
Marketing plan	Newsletter, videos, posters, flyers	Multiple	After rollout	Marketing and Research Engineering Team to lead

TRAINING PLAN



STEP-BY-STEP
GUIDELINES



FAQ WEBPAGE



VIRTUAL
PRESENTATIONS



ON-SITE
RESOURCE

FINAL PROJECT STATUS

Scope

Mostly met

Variance = +1

Schedule

Met

Variance = +\$4000

Cost

Met

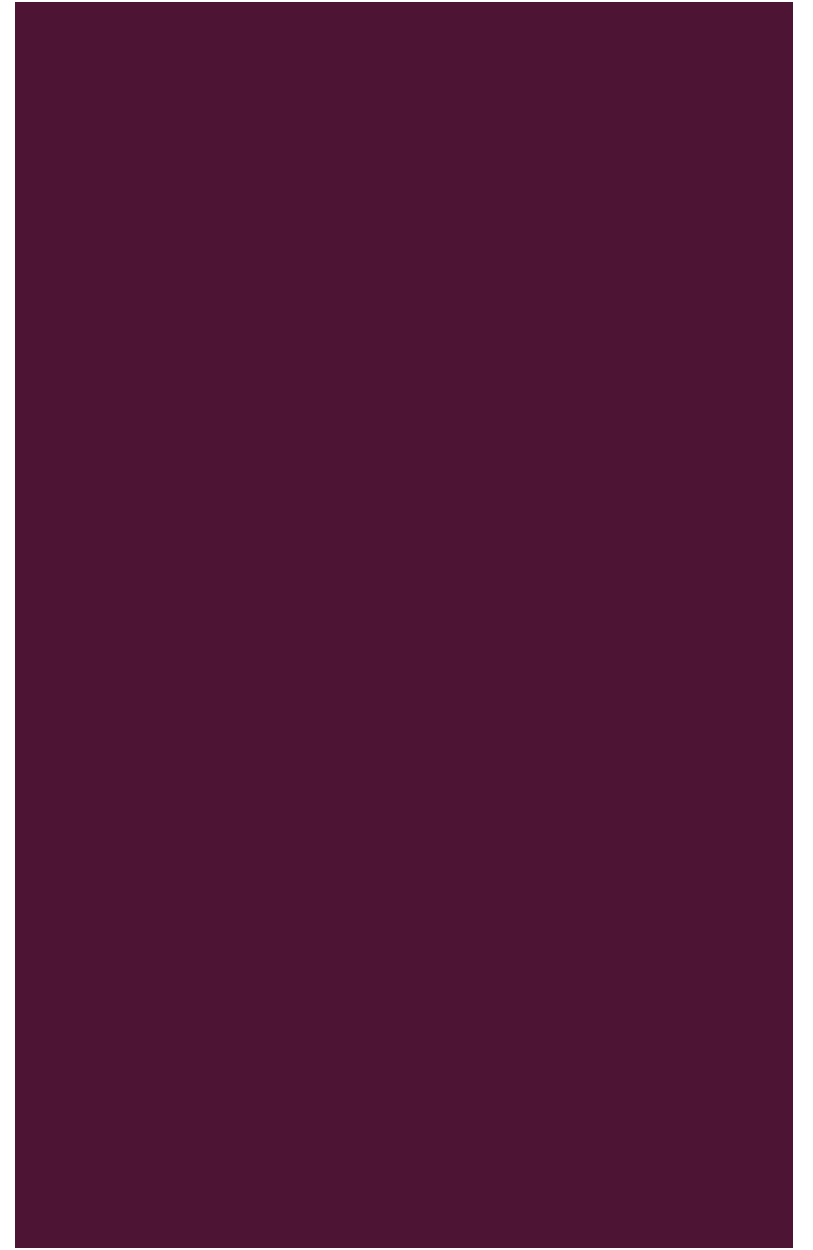
Variance = +\$7000

Quality

Mostly Met

% Achieved = 92%

DEMO



FUTURE ENHANCEMENTS



Short-Term

Add statistics
Add visualization



Long-Term

Implement data-warehousing
Add data analytics
Switch to Microsoft SQL Server back-end

THANK YOU

ANY QUESTIONS?

