



RHCCONNECT

***A Web-based Electronic Medical
Records (EMR) System for Laur
Rural Health Center***

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INTRODUCTION

Rural Health Center

- *immediate data access*
- *patient care delivery*
- *systematic data storing*
- *task automation*



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SIGNIFICANCE OF THE STUDY

The system will provide assistance with administrative tasks and data management, and adopt an improved system inside the organization in line with the ongoing advancements in healthcare service approaches.

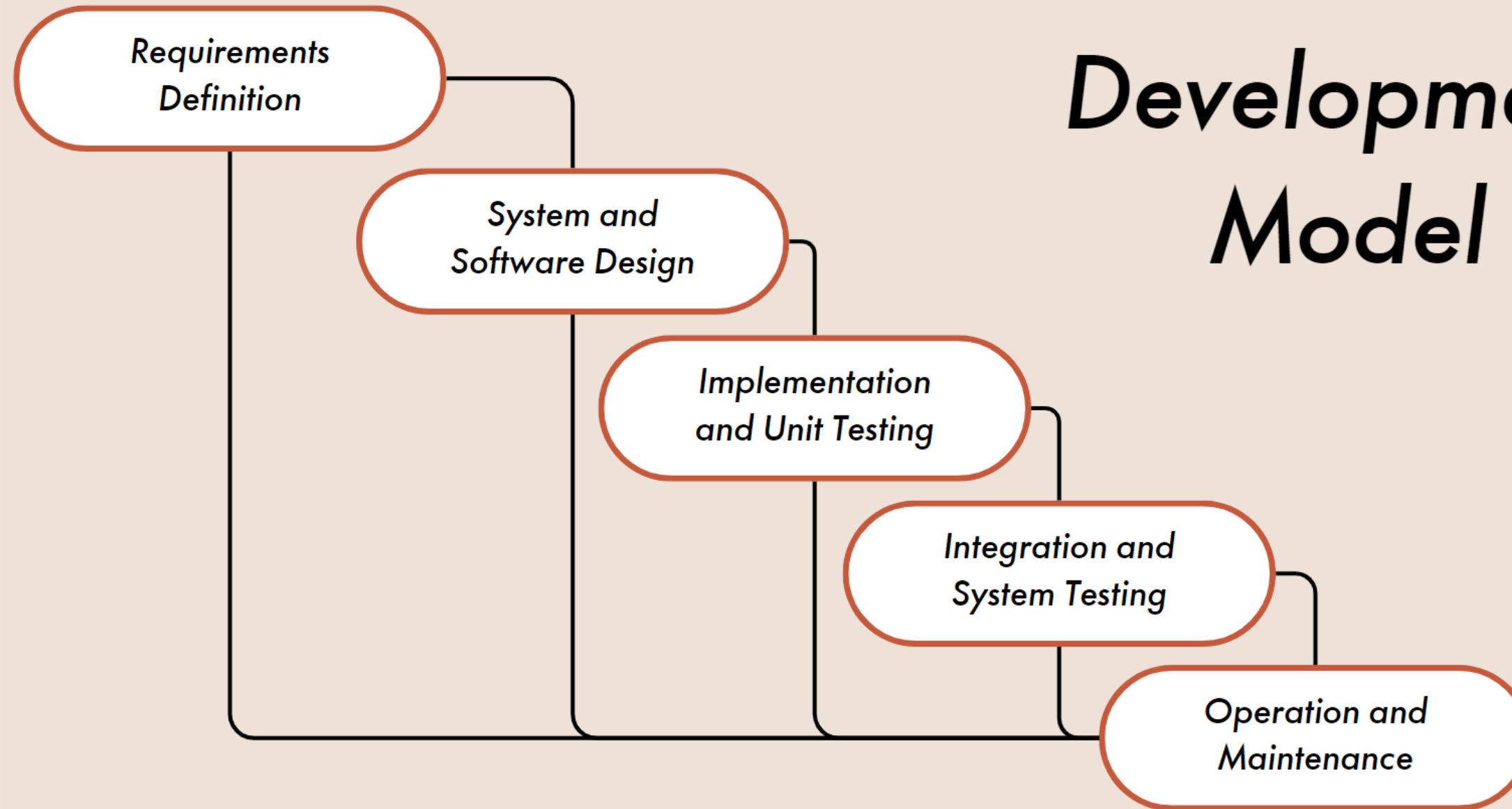
OBJECTIVES OF THE STUDY

The general objective of this study is to design and develop a web-based EMR system for the rural health center in Laur, Nueva Ecija. Specifically, the system aims:

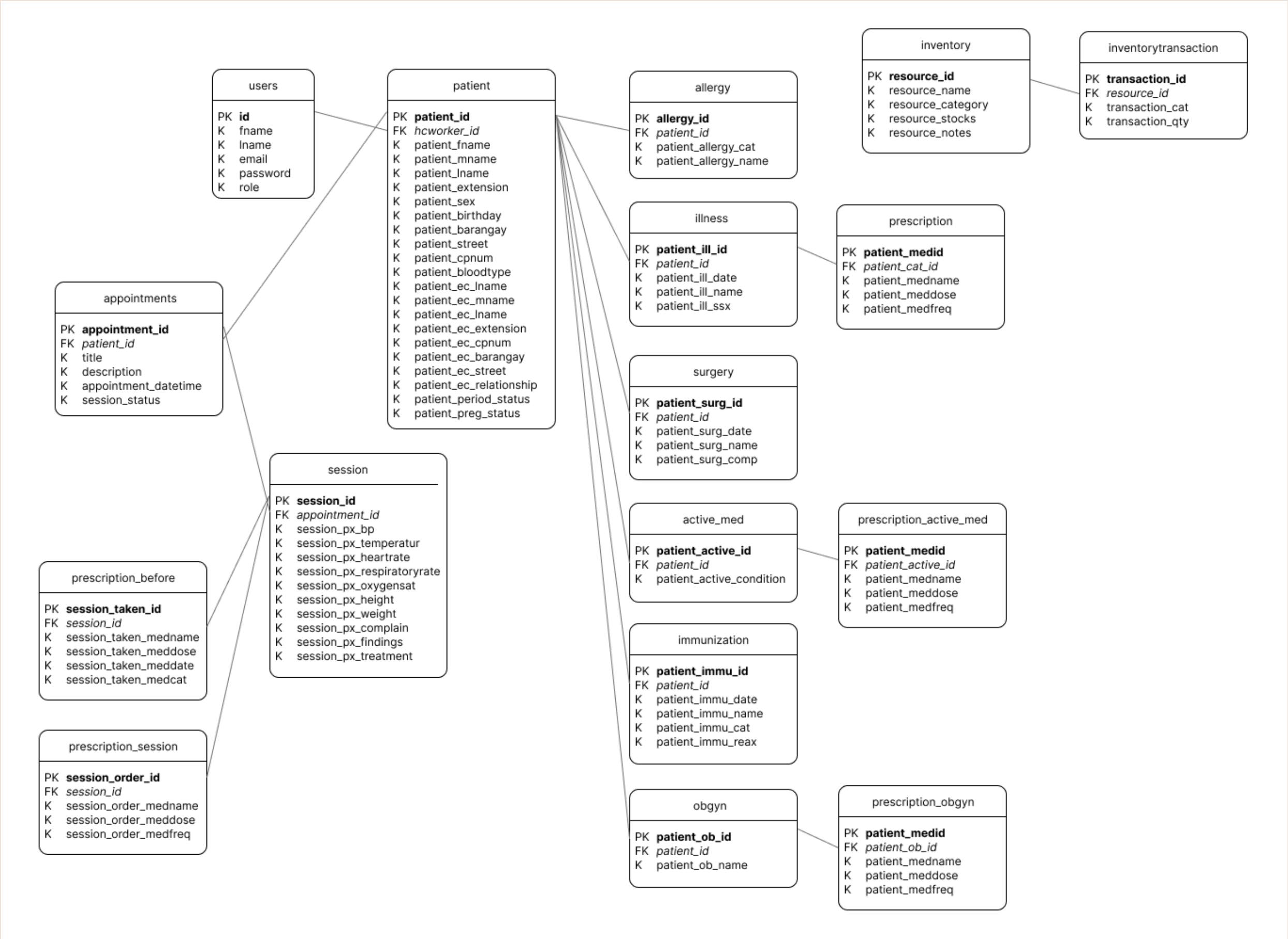
- 1. to electronically keep and manage patient records;*
- 2. to automate administrative tasks;*
- 3. to generate reports to help see patterns and summary; and*
- 4. to evaluate the usability of the system using the System Usability Scale (SUS).*

METHODOLOGY

Waterfall Development Model



METHODOLOGY

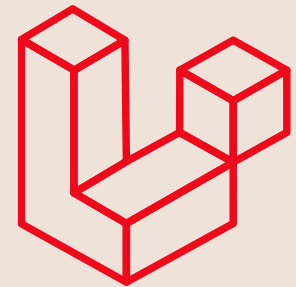


Database Setup

METHODOLOGY



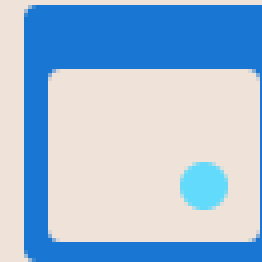
Cross-platform, Apache, MySQL, PHP, and Perl



Laravel



Hostinger



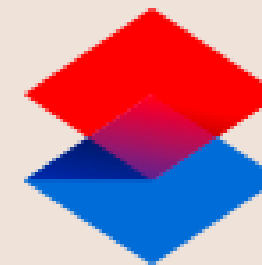
FullCalendar



Ciphersweet

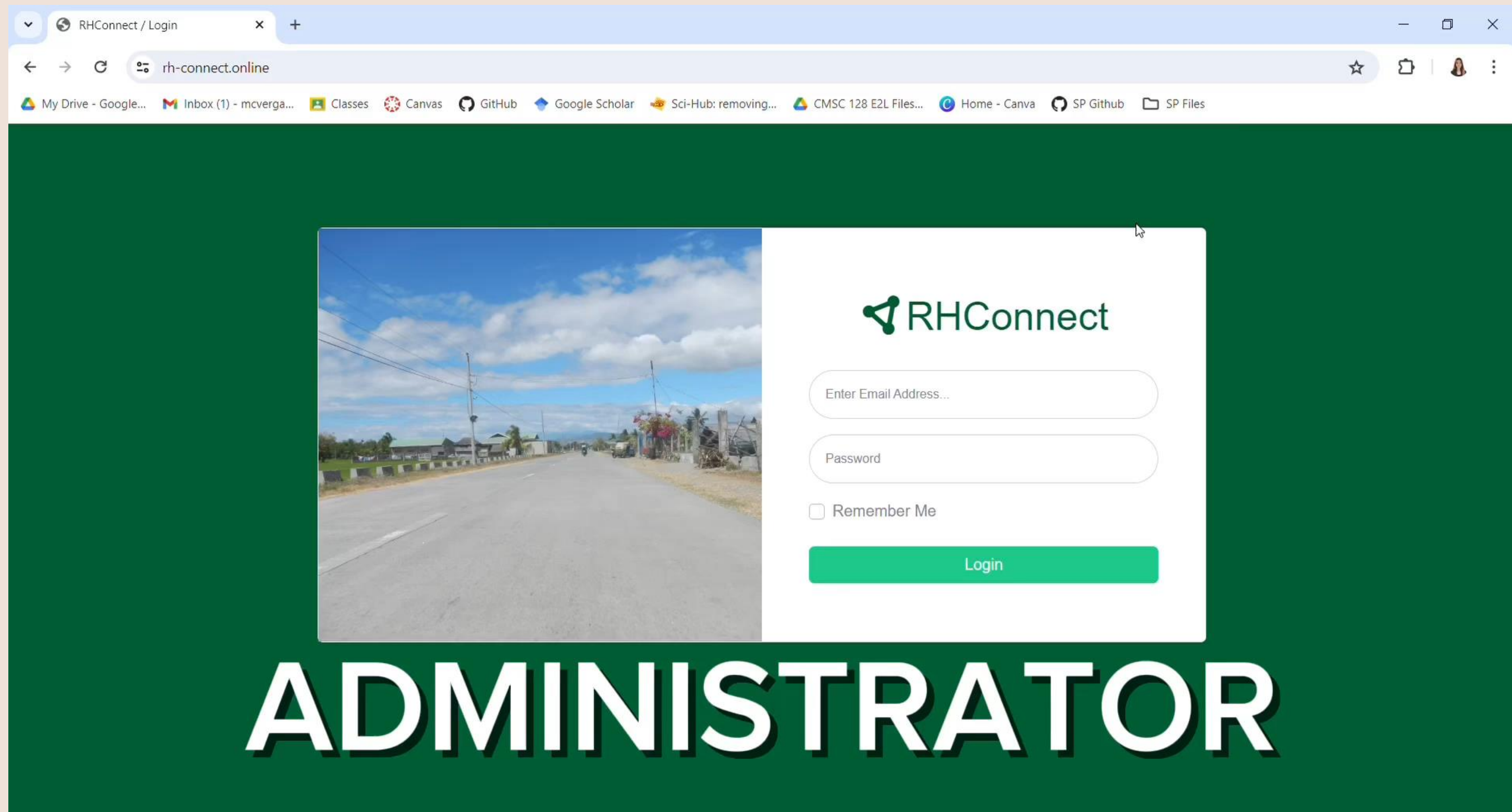


Datatables

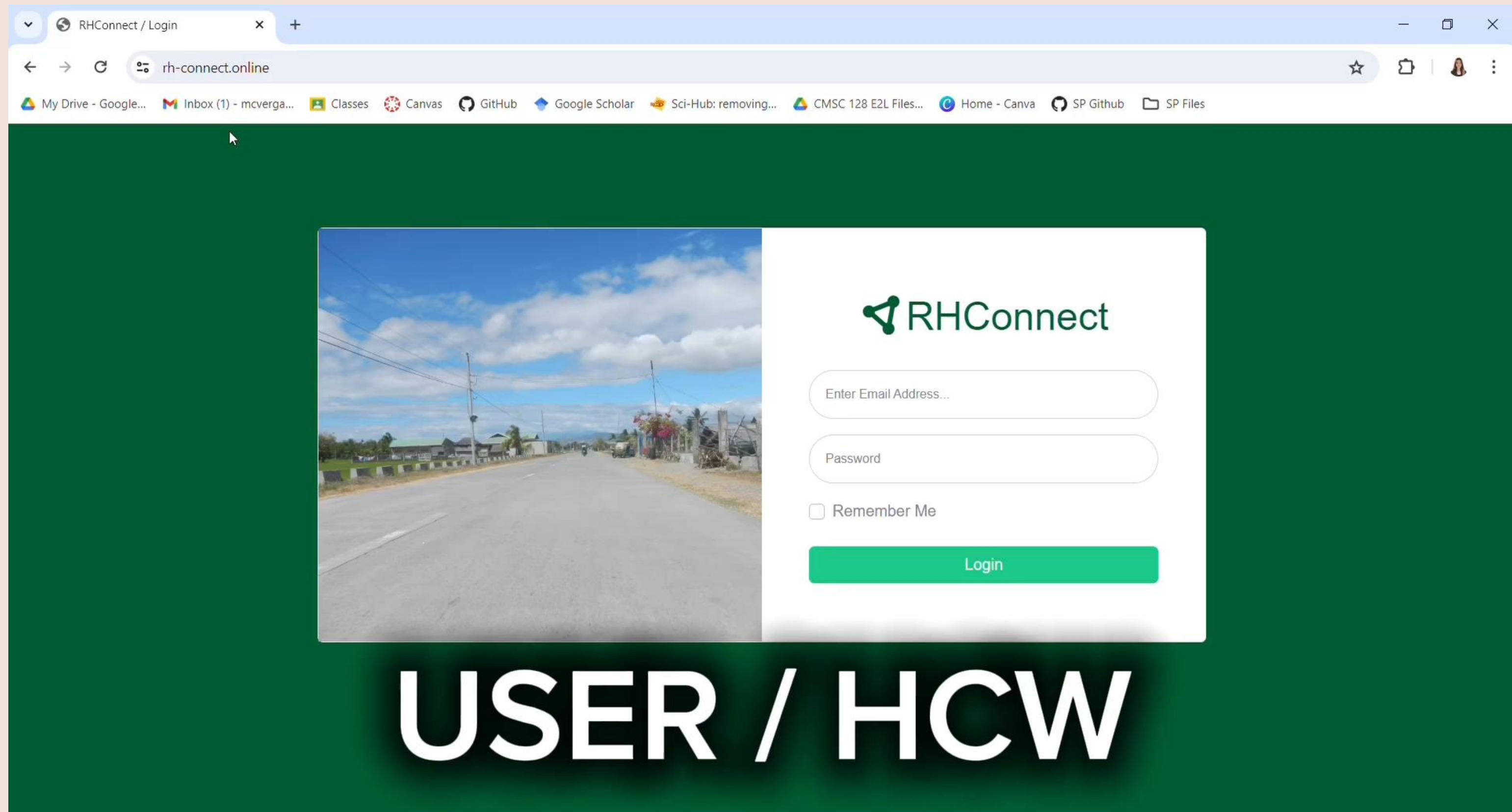


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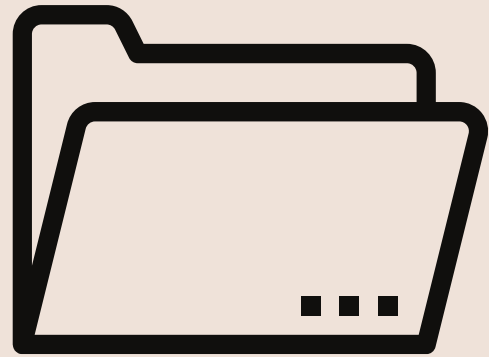
RESULT AND DISCUSSION

The system was evaluated and tested by 5 respondents, mainly personnel from Laur Rural Health Center, using the System Usability Scale (SUS). The testing yielded an average score of 84.

	R1	R2	R3	R4	R5	
Q1	5	4	5	5	5	
Q2	2	2	1	3	1	
Q3	5	5	5	5	5	
Q4	3	2	5	2	1	
Q5	5	5	5	5	5	
Q6	2	2	2	2	1	
Q7	4	5	4	5	5	
Q8	2	2	2	2	2	
Q9	5	5	4	5	5	
Q10	2	2	4	2	2	
	82.50	85.00	72.50	85.00	95.00	84

Individual Scores Table.

RECOMMENDATION



- *a possible expansion by adding a feature for file attachments would be ideal*
- *in future works, consider expanding the system by functionalities that would aid information-sharing across different users.*



RHCONNECT

*End of Presentation.
Thank you.*

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