INTRODUCTION AND BACKGROUND

Having an efficient and easy-to-use software system for managing operations is integral for any company, and the Oregon State University Veterinary Hospital is no exception. The current software used by the hospital to manage their daily operations is decades old and doesn't allow efficient communication within the hospital. This software causes many unnecessary errors and patient and owner suffering that could be avoided with a better system. The hospital needs a new software package that will not only provide a system that doesn't hinder workflow, but will improve it and allow for increased efficiency.

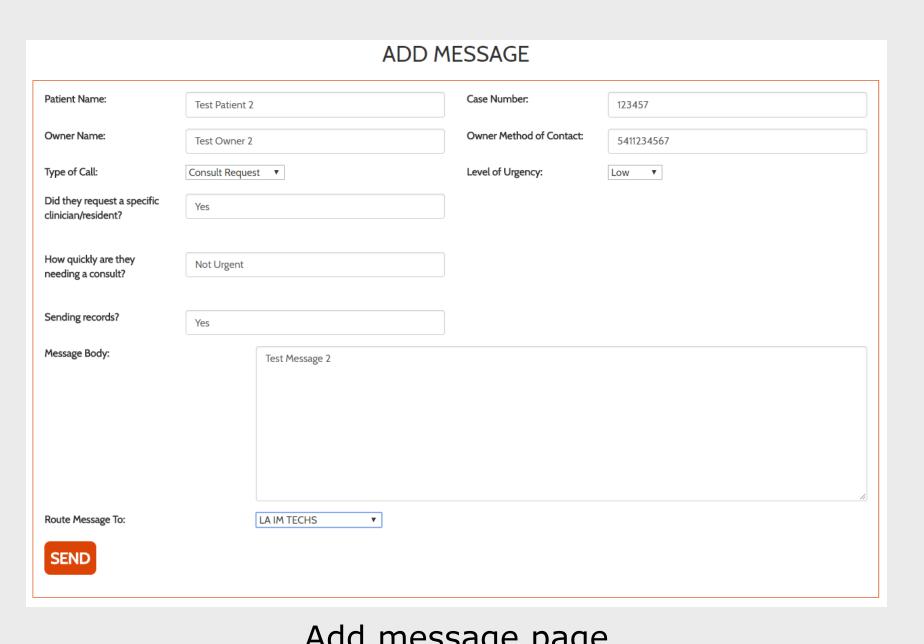
PROJECT GOALS

- Allow users to create messages containing information such as case number, message category, level of urgency, patient name, and owner name and contact information
- Allow messages to have a status to tell whether they are new, in progress, or complete
- Allow messages to be routed to a group of users
- Allow notes to be added to messages
- Allow users to have profiles where they can select or change their group membership
- Provide an audit log that shows user actions such as creating, viewing, or claiming messages
- Increase the overall efficiency of messages being transported throughout the hospital
- Reduce the amount of paper being printed
- Reduce errors in the communication process of the hospital

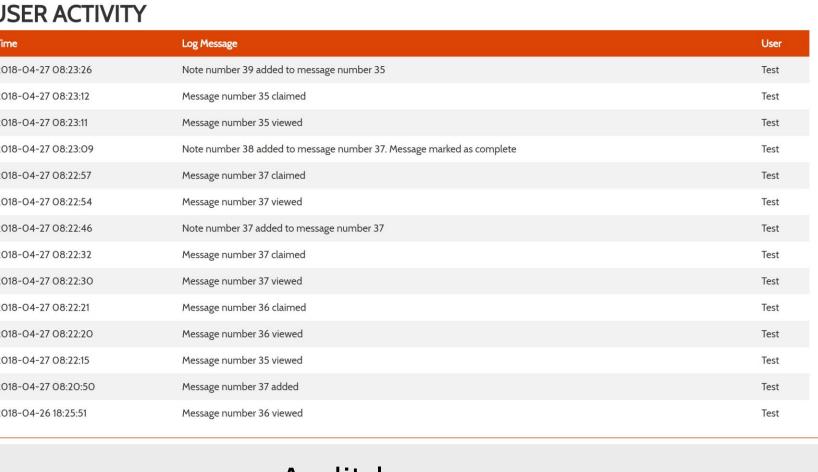


CONNECTBASKET

Software to help improve pet care at the OSU Veterinary Hospital by streamlining internal hospital communication



Add Message page							
AUDIT LOG							
JSER ACTIVITY							
lime .	Log Message	User					
2018-04-27 08:23:26	Note number 39 added to message number 35	Test					
2018-04-27 08:23:12	Message number 35 claimed	Test					
018-04-27 08:23:11	Message number 35 viewed	Test					
018-04-27 08:23:09	Note number 38 added to message number 37. Message marked as complete	Test					
018-04-27 08:22:57	Message number 37 claimed	Test					
018-04-27 08:22:54	Message number 37 viewed	Test					
018-04-27 08:22:46	Note number 37 added to message number 37	Test					
018-04-27 08:22:32	Message number 37 claimed	Test					
018-04-27 08:22:30	Message number 37 viewed	Test					
018-04-27 08:22:21	Message number 36 claimed	Test					
018-04-27 08:22:20	Message number 36 viewed	Test					
018-04-27 08:22:15	Message number 35 viewed	Test					
018-04-27 08:20:50	Message number 37 added	Test					
2018-04-26 18:25:51	Message number 36 viewed	Test					



Audit log page

Highest priority messages will appear at the top. Click the DETAILS button to view the specifics of a message. All unread messages sent to any group you are a part of will appear in this messages box. View Message Details Message Subject: (Patient Name, Type of Call) DETAILS Test Patient 2: Consult Request View messages page **ADD NOTE** Low ▼ Test Note BILLING SPECIALIST ▼ Route Message To: **ADD NOTE & ROUTE** MARK AS COMPLETED

VIEW MESSAGES

Message Subject: (Patient Name, Type of Call)

DETAILS

MARK AS COMPLETED

YOUR CLAIMED MESSAGES (ACTION NEEDED)

The following messages have already been viewed by you at least once.

UNCLAIMED MESSAGES

Created By Routed To

Add note page

PROJECT DESCRIPTION

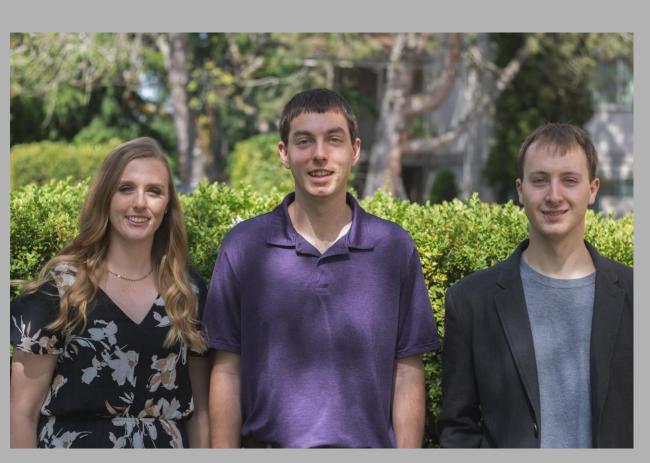
In order to accomplish the goals of this project, the ConnectBasket website was created. The website provides a platform for hospital employees to log in and access several features such as creating, editing, and viewing messages.

The website is hosted using an Apache web server running on a Linux Ubuntu server operating system. The data for our website is stored in a MySQL database and PHP was used for interaction between the website and the database. The front end of our website was made using the AngularJS framework along with HTML and CSS.

We chose to create a website for our project because the users wanted to be able to access the project from desktop computers and mobile devices, and a website was the best way provide that in the time available for the project.

PROJECT OUTCOMES

- Using a digital solution will provide the hospital with a decreased use of paper and ink, as well as providing a better system for communicating quickly back and forth across the hospital.
- The new system will provide a way for administrators to make sure the proper workflow is being followed by employees. They will be able to see when messages are being viewed or claimed with no action being taken and correct any mistakes that are being made for the future.
- Having access from mobile devices allows employees to be quicker in responding to messages providing faster and better care for pets.



Pictured from left to right: Kailyn Hellwege, Henry Fowler, Taylor Kirkpatrick

Project Client:

Dr. Chinweike Eseonu

Affiliation:

Oregon State University Veterinary Hospital

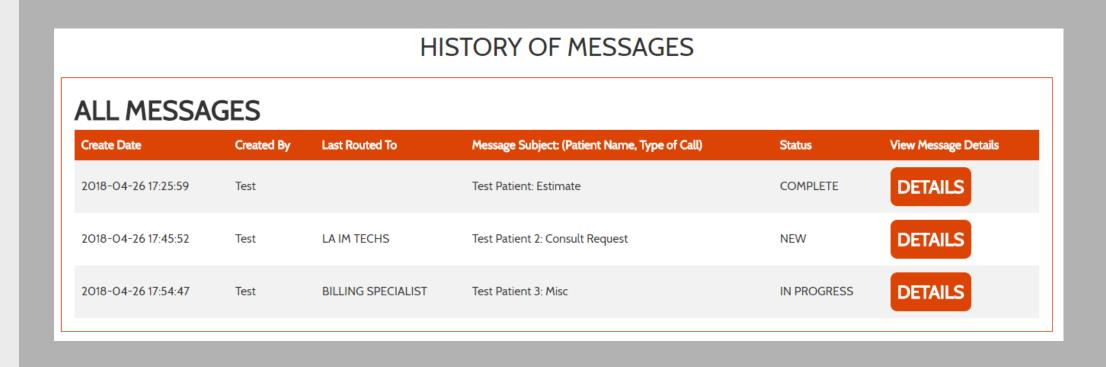
Contact Information:

fowlerh@oregonstate.edu

hellwegk@oregonstate.edu

kirkpatt@oregonstate.edu

RESULTS



ConnectBasket users can view a history of all messages that are marked as new, in progress, or completed, and view details of the messages. Completed messages are read-only and no further notes can be added.

Create Date		Created By	Routed To		Note	Urgency Level
2018-04-26 17:50:20		Test			Done	
2018-04-26 17:50:03		Test	LA IM TECHS		Test Note 2	Low
2018-04-26 17:48:55		Test	BILLING SPECIALIST		Test Note	Low
ORIGINAL M	ESSAGE	DETAILS				
atient Name:	Test Patient			Case Number:	123456	
Owner Name:	Test Owner			Owner Method of Contact:	5411112222	
Type of Call:	Estimate			Level of Urgency:	Low	
What is estimate for?	Surgery					
Do we have records, if needed?	Yes					
Message Body:		Test Message				

After a message has been completed, it can be exported as a pdf file that contains all of the original message information as well as all of the notes that have been added to the message.