Dual Handheld and video otoscopy unit

Date: 9/13/2024

Client: Dr. Lara Tomich & Dr. Amy Nechelason
Advisor: Professor Paul Campagnola
Team:

Sam Tan — Leader   stan68@wisc.edu

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Problem statement:

The current designs of handheld otoscopes for animal practice do not allow video transfer to a distant view compared to a video otoscope, which is practiced differently in simulations. The goal is to design a handheld otoscope with video capabilities to allow student-performed examinations to be visualized to the faculty for assessments.

Brief status update

- Scheduled Client meeting and initial research

Difficulties / advice requests

- Ask the client if the old prototype is still available and we can grab it.

Current design:

- Old design

Materials and expenses

Item	Description	Manufac-turer	Mft Pt#	Vendor	Vendor Cat#	Date	#	Cost Each	Total	Link
Electrical Component										
Camera Components										
MakerSpace Hardwares + 3D Prints										
Current Total								**Total**		

Major team goals for the next week

1. Client meeting and ask questions
2. Established project expectation and schedule
3. Set up meeting times and initial research

Next week's individual goals

- Sam
  - Research on materials and meet with clients and establish expectations for the project.
- Aaron
  - Research
- Bobby
  - Research
- Andy
  - Research/Onboarding

Timeline

Task	September			October				November					December	
	13	20	27	4	11	18	25	1	8	15	22	25	6	13
Project R&D														
Empathize														
Background	X													

Task															
Prototyping															
Testings															
Deliverables															
Progress Reports	X														
PDS															
Prelim presentation															
Final Poster															
Meetings															
Client															
Advisor	X														
Website	X														
Update	X														

Filled boxes = projected timeline
X = task was worked on or completed

Previous week's goals and accomplishments

- Sam previous goal
  - None
- Bobby previous goal
  - None
- Aaron previous goal
  - None
- Andy previous goal
  - None

- Team previous goal 6
  - None

Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam					
Bobby					
Aaron					
Andy					