Microscope Slide Scanner

Date: 9/12/24

Client: Teri Stewart

Advisor: Dr. James Trevathan

Team: Lia Lejonvarn (Team Leader)

Amanda Kothe (Communicator and BSAC)

Hamad AlDhaheri (BPAG) Xavier Snider (BWIG)

Problem statement

The team has been tasked with finding a more efficient way to scan microscope slides using digital scanning. The client's department already has a scanner but it can only capture small portions of the slides and the images are of poor quality. Therefore, we must find a way to enhance the user quality of their digital scanner as well as the images themselves. The department has also asked our team to create software capable of housing the images. This project will hopefully be used for the primate lab and SMPH.

Brief status update

The team assigned team roles and contacted our client and advisor. Additionally, we set up a meeting with our client to discuss the project.

Difficulties / advice requests

The team is having difficulty understanding the actual scope of the project and what needs to be accomplished. This should be fixed by meeting with the client.

Current design

Materials and expenses

Item	Description	Manufac- turer	Mft Pt#	Vendor	Vendor Cat#	Date	#	Cost Each	Total	Link
Category 1										
									\$0.00	

					\$0.00	
Category 2						
					\$0.00	
					\$0.00	
				TOTAL:	\$0.00	

Major team goals for the next week

- 1. Do preliminary research on microscope scanners and sorting software
- 2. Create PDS for project
- 3. Meet with client to further understand the goals for the project

Next week's individual goals

- Amanda:
 - Continue communicating with client and advisor about project
 - Start work on researching microscope scanners
 - Work on designated sections of PDS
- Lia:
 - Continue working on creating questions for the client
 - Start work on the PDS
 - o Research digital scanning
- Xavier:
 - Attend client meeting
 - Research other slide scanners
- Hamad:
 - Research possible solutions for the clients request and determine a possible course of action
 - o Develop a financial plan with the clients parameters

Timeline

Task	Sep			Oct				Nov					Dec	
	13	20	27	4	11	18	25	1	8	15	22	29	6	11
Project R&D														
Empathize														
Background														
Prototyping														
Testings														
Deliverables														

Progress Reports							
Prelim presentation							
Final Poster							
Meetings							
Client							
Advisor							
Website							
Update							

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

Previous week's goals and accomplishments

- Amanda
 - o Communicated with client and advisor about project
 - Helped complete first progress report
- Lia:
 - o Set up our team notebook
 - Established a team google drive
 - Helped make the first progress report
- Xavier
 - o I set up the team website
 - o Labeled each members role
 - Lowered the resolution of team photo
- Hamad
 - o Statered research about microscopic scanners

Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Amanda	9/11	We met as a team	1	1	1
Lia	9/11	We met as a team	1	1	1
Xavier	9/11	We met as a team	1	1	1
Hamad	9/11	We met as a team	1	1	1