Milestone 1

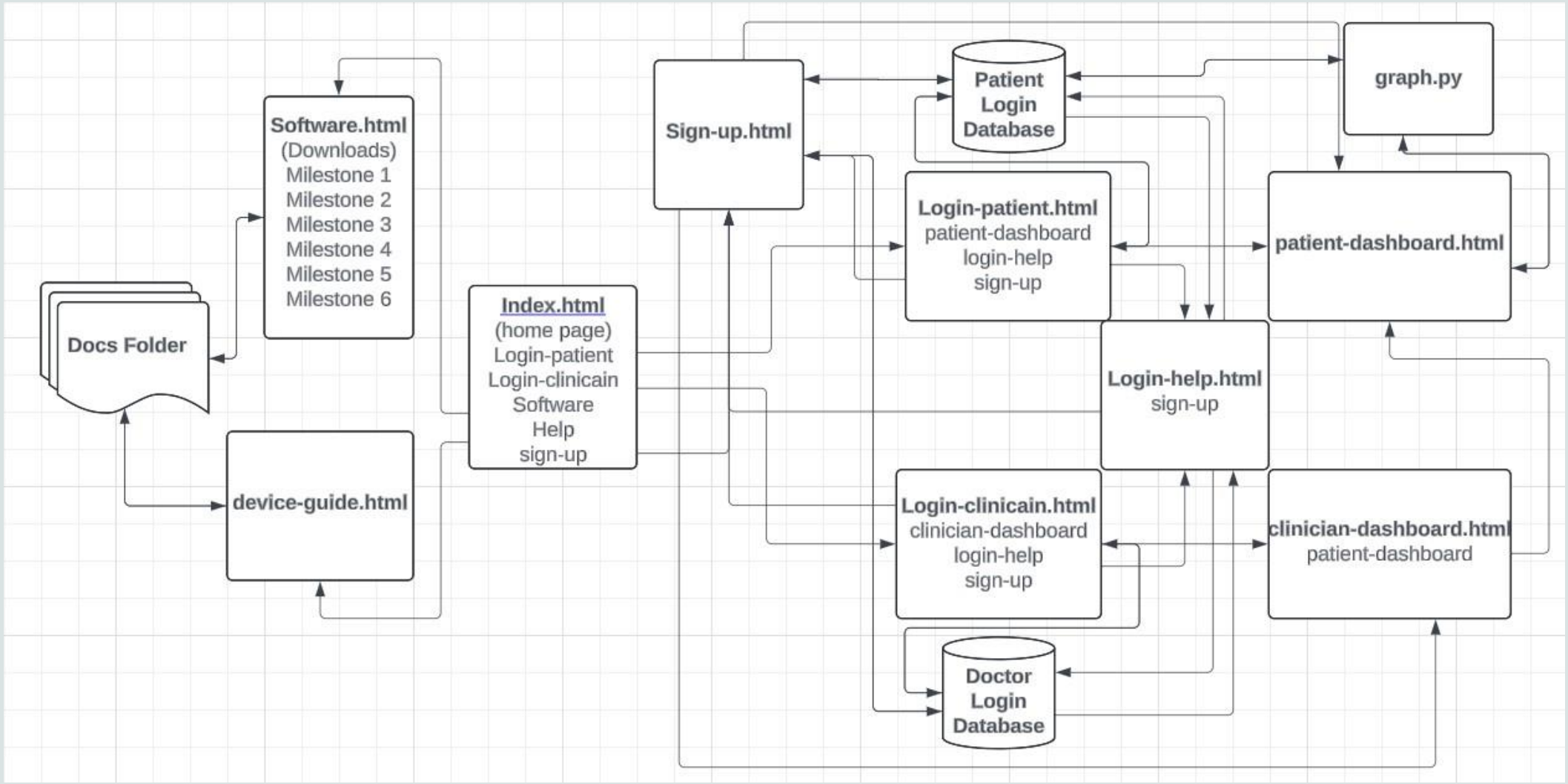
Smart Stride

by Cianna Grummer

Progress

Task	Completion	To Do
Create Website Skeleton	100%	Completed
Set up Database through RDS	100%	Completed
Create Database Schema	100%	Completed
Create Database Tables for Doctors and Patients with demo	100%	Completed
Design Document	100%	Completed
Requirements Document	100%	Completed
Test Plan	100%	Completed

Website Skeleton



Database

- Database requires Username and Password for both doctors and patients
- Patients have a CSV file doctors do not
- Patients hold the foreign key to their doctors
- Doctors hold the foreign key to multiple patients

username	password	first_name	last_name	doctor	security_question	security_question_answer	csv_file
cgrummer	12345	Cianna	Grummer	GreenEggs	What is your dogs name?	Lexi	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

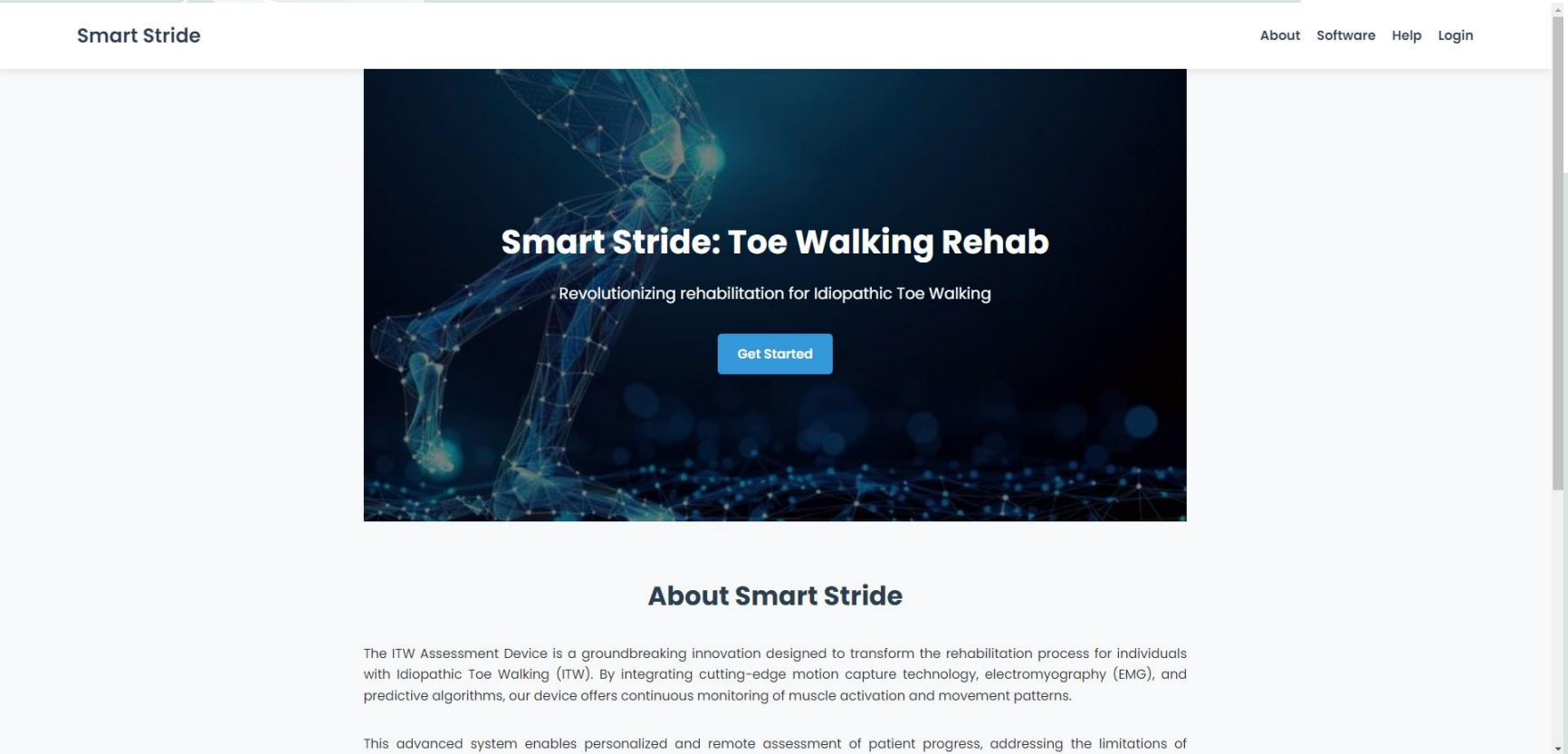
username	password	first_name	last_name	security_question	security_question_answer	patients_list
GreenEggs	AndHam	Theodor	Suess	How many fish?	Two Fish	["cgrummer"]
NULL	NULL	NULL	NULL	NULL	NULL	NULL

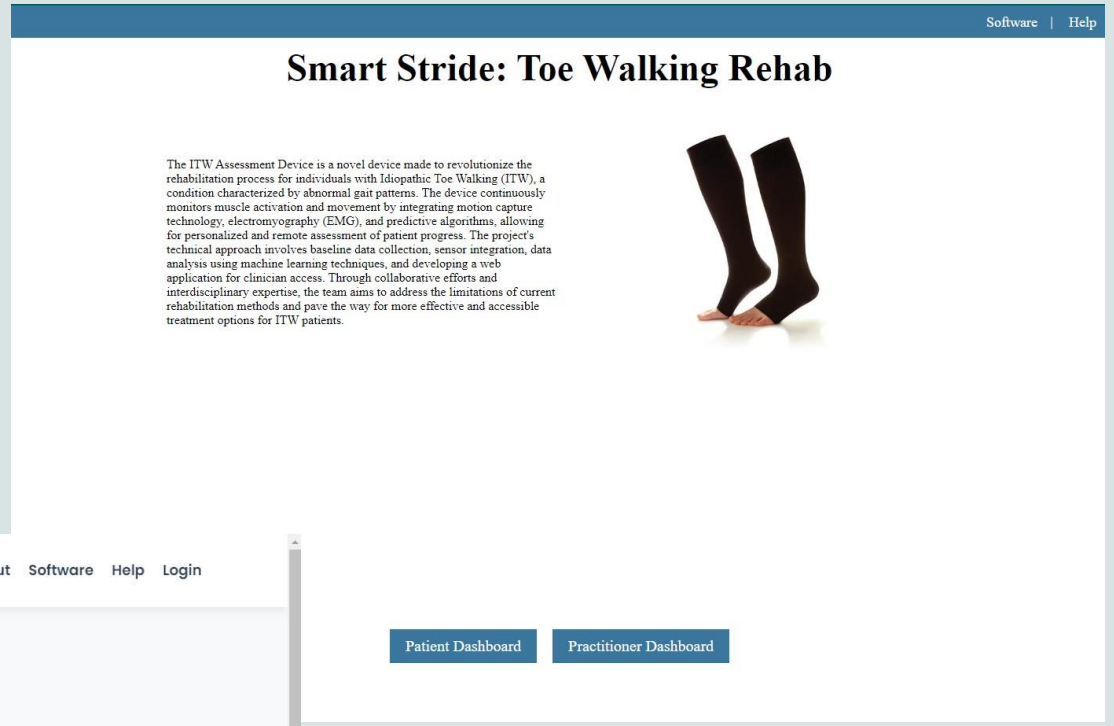
Team Feedback

- Improve the visuals of the UI
- Add Section for a motion capture video to be displayed under a patient's profile
    - This will be implemented when the videos are available
- Change the name from ITW Assessment to Smart Stride: Toe-Walking Rehab

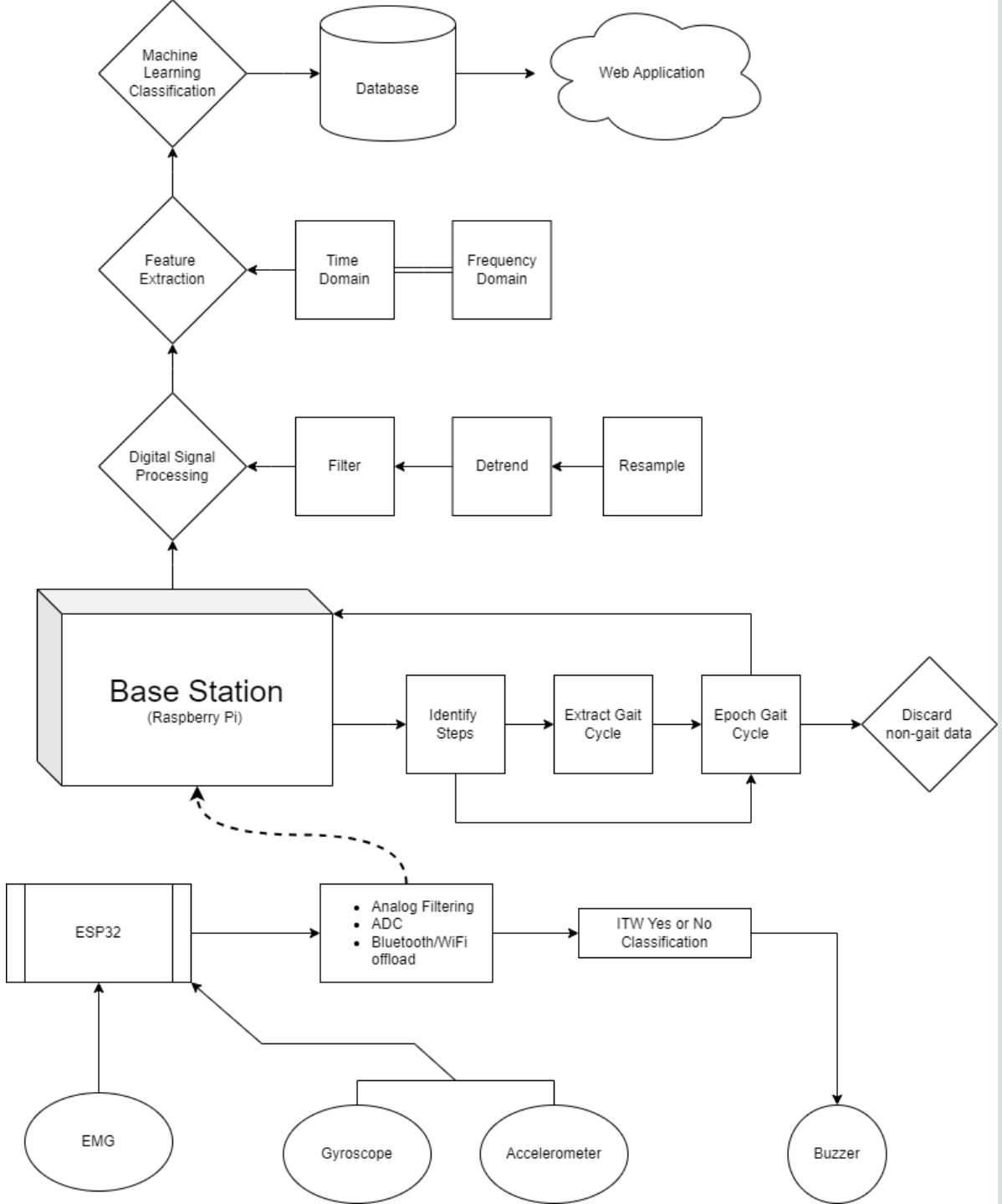
Refining Website

After





Before



Data Flow From Device

- Gather data through sensors
  - *Collected by ESP32*
- Filter the data
  - *Collected by Raspberry Pi*
- Identify gate cycle
- Send to database

Milestone 2

Task	Progress	To Do
Create Patient Login	95%	Fix credential validation error
Create Practitioner Login	95%	Connect login to page
Establish Security of Logins	90%	Test security of logins
Create separate Login pages	50%	Create practitioner login page
Create a forgot password/ help button	0%	Create login help button
New User Sign Up Functions	0%	Create lambda function to handle new user info
New User Sign Up Page	0%	Create and establish new user page

Milestone 3

Tasks

- Create real patient and practitioner profiles
- Add data to database
- Establish data filtering methods
- Real user testing

Possible Tasks

(depends on when the device can collect data)

- Test Bluetooth data collection
- Create graphs from collected data

Questions?