



BADASS TEAM NAME (AKA PURPLE HIPPOS)

VISION DOCUMENT – VERSION 0.0

Badass Team Name (AKA Purple Hippos):
Progress Note Logging Application
ICS 499 – Capstone

System Overview

Our system aims to significantly increase operational efficiency in therapy centers across Minnesota, making the lives of therapists and doctors easier and contributing to better overall care for patients. As stated in this course and many others, in any field, documentation is of the utmost importance. In these therapy centers where they look after children with autism, the provider at the end of each day has to fill out a progress note for each patient. These forms include progress reports, incidents, medication, and any other comments the provider wants to note down. As of now, this whole process is done manually with a good old fashioned pen and paper. Once filled out, the provider scans each document and uploads it to a form of storage (i.e. Dropbox). Finally, the administrator downloads the documentation for the storage, prints it, signs off, and finally, re-uploads it back.

As you can see this process is tedious and consumes a lot of paper, money, and time. Our goal is to transform this process into a digital procedure where the provider can create a digital document and fill out all of the important fields that the administrator needs to sign off on. In addition to that, the administrator will have their own login where they can use their credentials to sign in and view all of the documents that they need to sign off on. All of these forms will be digital and the signature as well. This process will make sure that there isn't any unneeded waste of resources within this industry.

Our vision is to approach a clinic and pitch them the idea of our software and how it can greatly impact their clinics. This first step has already been taken and we have a clinic that is on board with trying our product. This will be a great help with branching out to other clinics and building a rapport to have clinics use our software to improve their productivity. Fostering relations is a big aspect of our team and product. We will set out to prove our software useful by any means, to help out the people who do great things in this world. Word of mouth will have a big impact for use, and later down the road we might even start advertising our product.

All in all, our desire is to cut down the amount of resources being spent. The biggest one being time. The impact that we hope to have on productivity is a great one. Not only that but the utilization of paper will be drastically reduced. Finally, and probably the most important one, is the capacity at which these centers will be working at. Instead of dedicating time to print and scan and upload, the process will be way more seamless and fruitful. Granting the providers and administrators more time on their hands to invest in what is more important, the children at these centers.

Attributes

- Convenience: Automated and digitalized workflow eliminates the need to scan and print the same form twice.
- Security: We use HTTPS and encryption to ensure patient data is stored in safe manner (implementing encrypted storage, secure access, etc)
- Cost: Significant savings due to time saved.

- Accessibility: Employees can fill, edit, view progress notes from their own devices, from any place
- Error handling: a digitalized form can detect and handle incorrect input
- Privacy: Removes the need for an employee performing data entry and removes the issue of loose forms moving around a facility. Built in access control handles restrictions on viewing and editing data based on users' authorization, and protects from extraneous eyes.
- Customization: system is designed around a specific business requirement and personalized to meet their goals
- Integration: our solution ties into and communicates with existing systems, such as patient management or billing, further enhancing operations.

Key Features

- Compose progress notes directly in your browser
- Automatically upload notes to server for storage
- View and edit existing notes
- Filter notes by patient
- Track sign-offs of notes
- Assign patients to providers
- Transfer relevant data to accounting software
- Export notes

Capabilities

- Compose progress notes directly in your browser
 - The provider can go into the application and create a document with all of the related fields already attached to it and all they have to do is fill out the important information to get ready to upload to the server.
- Automatically upload notes to server for storage
 - This feature comes after filling out the important information on the document. This area is where the providers and administrators can access and look back at all of the documents that were created and have them all organized by either patient name and/or date and time of creation. This will definitely help with ease of use and the provider will be able to pinpoint a document and fill it out/ edit it as they wish, saving them time.
- View and edit existing notes
 - When a document is filled out and uploaded that is not the final version of it. Providers need to be able to adjust anything that is important or meaningful for the administrator to know. This feature will help with that and we might add another feature stating date and time of the edit.
- Filter notes by patient

- Our main goal is saving time so the providers can invest that time saved back into the patients. This feature, instead of scrolling through the endless documents that have been created for quite some time, can help with finding your document that you need right away by filtering the document search by patient.
- Track sign-offs of notes
 - The administrator can sign off on documents approving them. This is a digital signature that all admins can add. Once added they can select the document they want to add and then sign off on it. Simple and no time wasted.
- Assign patients to providers
 - We are also implementing another feature where instead of telling providers or having a clipboard with the patients that are assigned to them that day, they can login to the application and see who they are assigned to that day.
- Transfer relevant data to accounting software
 - Any data needed by the accounting dept/software, for example, the amount of medication that is being taken by that patient can be sent over and be seamlessly communicated over.
- Export notes
 - Export notes in whatever format necessary, including PDF or electronic formats.