

IEP-Connect



Supporting students with special needs by tracking educational goals and simplifying communication between parents and teachers

The Team

Lane
Felker



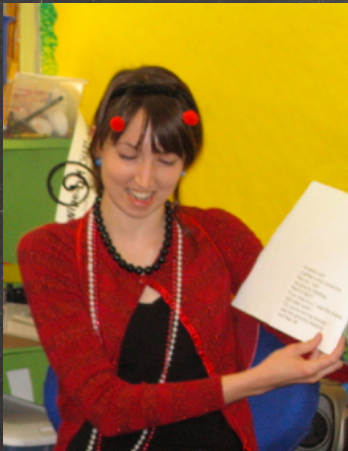
Interface Maverick

Monique
Franklin



IEP Expert Extraordinaire

Kristen
Olson



Seal of Approval Stamper

Jessica
Wong



Mockup Maven

The Problem

In Seattle Public Schools only 50 percent of students with disabilities graduate from high school, compared with 75 percent of students without disabilities.

Initial Prototypes

Tasks

Classroom

Look-up individual student's accommodations.

Track goal progress and accommodation usage.

Parent View


Learn about goal progress.


Communicate with the IEP team.


IEP-Connect Classroom

Look-up Accommodations, Track Progress

All Accommodations 		
JD	KF	AG
LH	LI	JJ

All Accommodations 
Calculator JD KF
Extra Time JD AG
Graphic Organizer LI
Seating LH

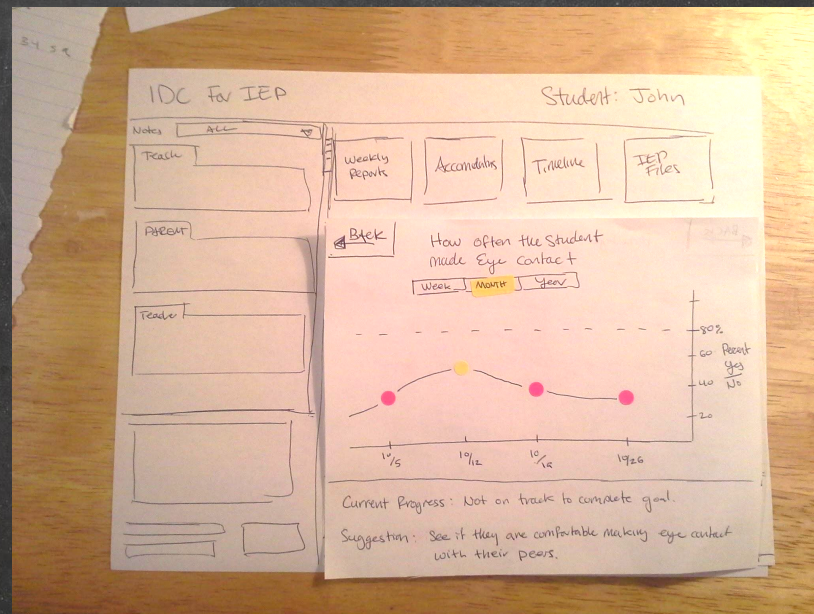
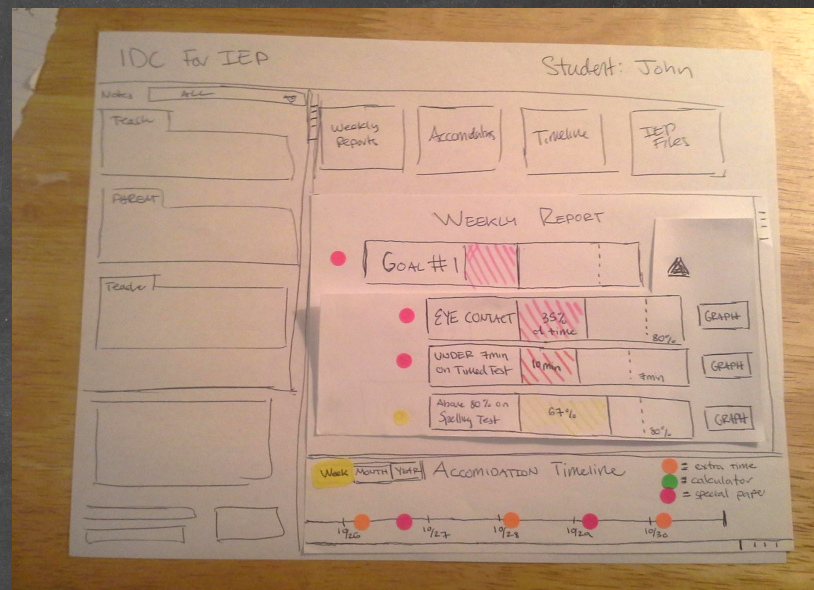
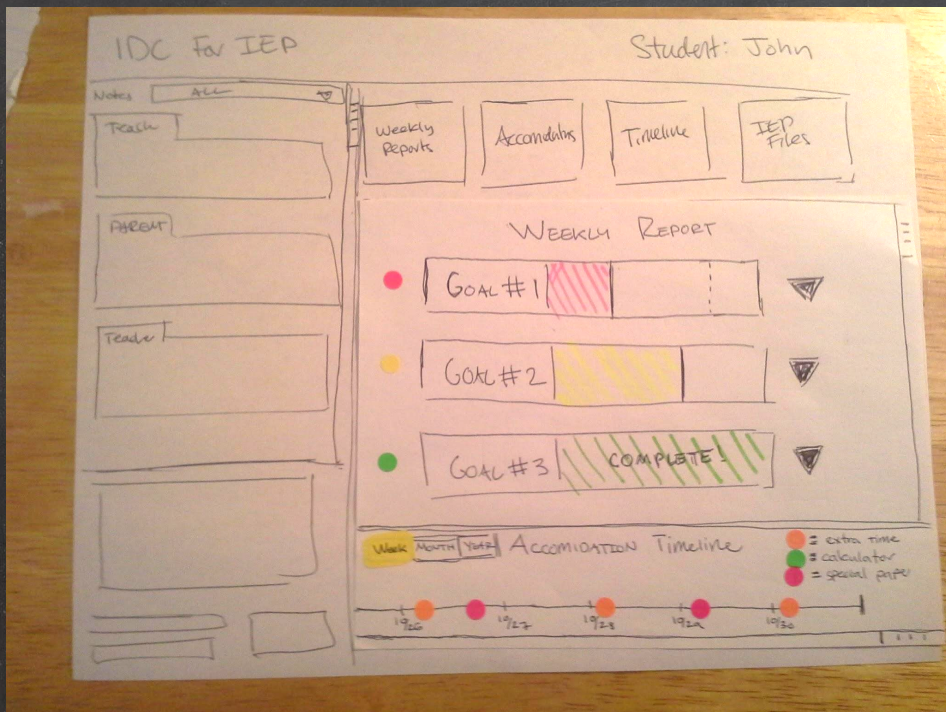
JD > Goals Accommodations 		
Made Eye Contact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Raised Hand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tied Shoe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Used Appropriate Volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Used Proper Greeting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

KF > Goals Accommodations 	
Paragraph under 7m	<input type="checkbox"/>
Read 20 wpm	<input type="checkbox"/>
Type 10 wpm	<input type="checkbox"/>

KF > Goals Accommodations 			
Paragraph under 7m			<input type="checkbox"/>
0			
C	.	/	%
0	1	2	3
4	5	6	7
8	9	Submit	

IEP-Connect Parent View

Learning About Goal Progress



IEP-Connect Parent View

Communicate with IEP Team

Notes All

Teacher 8:32 am Tuesday 11/4/2014

Parent 4:15 pm Monday 11/3/2014

Teacher 7:30 am Tuesday 10/28/2014

Subject:

Note:

Notify POST

Tag

Notes All

Teacher 8:32 am Tuesday 11/4/2014

Parent 4:15 pm Monday 11/3/2014

Teacher 7:30 am Tuesday 10/28/2014

- All IEP Team
- IEP Teacher
- Instructional Assistant
- LA Teacher
- Math Teacher
- Principal
- School Psychologist

Notify POST

Tag

Notes All

Teacher 8:32 am Tuesday 11/4/2014

Parent 4:15 pm Monday 11/3/2014

Teacher 7:30 am Tuesday 10/28/2014

Tag Categories

- Goals
 - Goals 1
 - Goals 2
 - Goals 3
 - Goals 4
 - Goals 5
 - Goals 6
- Tasks
- Accommodations
- Behaviors
- IEP Meetings
- Subject

Notify POST

Tag

Testing Process/Results

Testing Process

Test Procedure

- Facilitator
- Note Taker
- Interface Changer

- Ask to perform tasks
- Prompt with questions
- Exit interview



Participants

Two Parents

Three Dream
Project
Members

One
Undergrad
Acquaintance

Testing Results

IEP-Connect Classroom

- Clarity needed with data entry and removal
- Difficulty reversing state
- Concern over new device in classroom

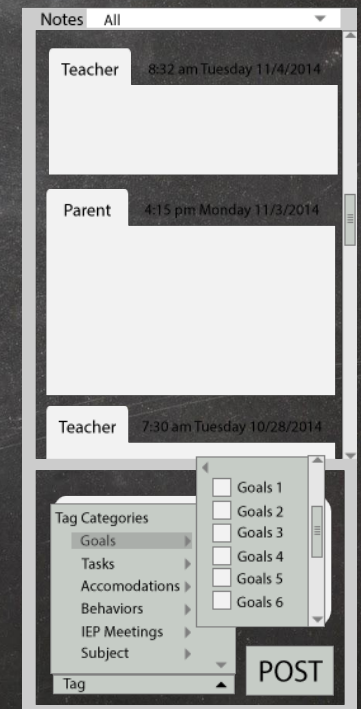
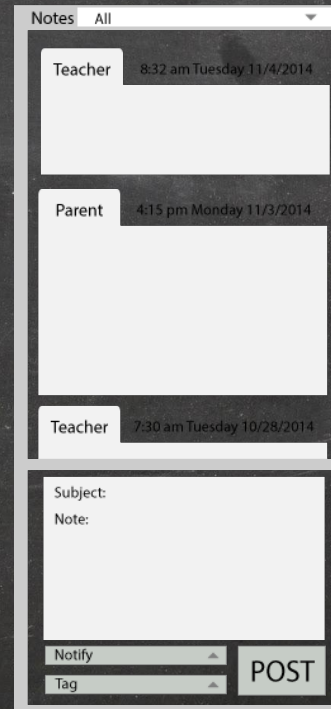
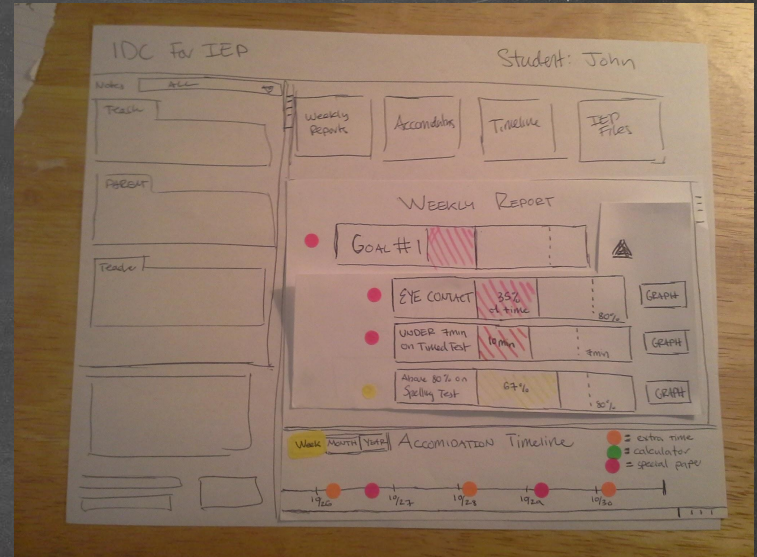
KF > Goals		Accommodations		⬆
Paragraph under 7m		0		▼
		0		
C	.	1	%	
0	1	2	3	
4	5	6	7	
8	9	Submit		

All Accommodations			⬆
Calculator	JD	KF	
Extra Time	JD	AG	
Graphic Organizer	LI		
Seating	LH		

Testing Results

IEP-Connect Parent View


- Increased functionality
- Fine-tuning navigation
- Meaningful/concise data presentation



Final Paper Prototype


Final Paper Prototype

IEP-Connect Classroom


K.F. > Goals | Accommodations | 

All Students > K.F.


In Progress

Write Paragraph Under 7m 

Make Eye Contact


IEP Goal: Student will maintain eye contact appropriately during conversation 

• •

K.F. > Goals | Accommodations | 


All Students > K.F.

In Progress

Write Paragraph Under 7m 

C	.	/	%
0	1	2	3
4	5	6	7
8	9	Enter	

○

K.F. > Goals | Accommodations | 


All Students > K.F.

Previously Tracked

Write Paragraph m

Score on Math Test %

• •

K.F. > Goals | Accommodations | 

All Students > K.F.

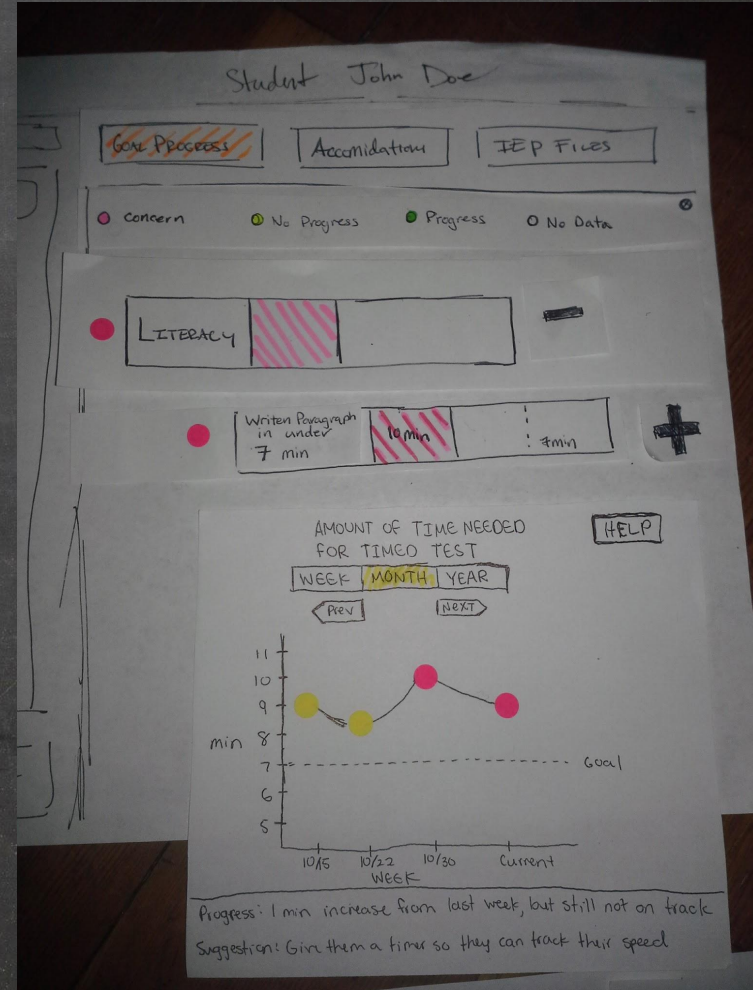
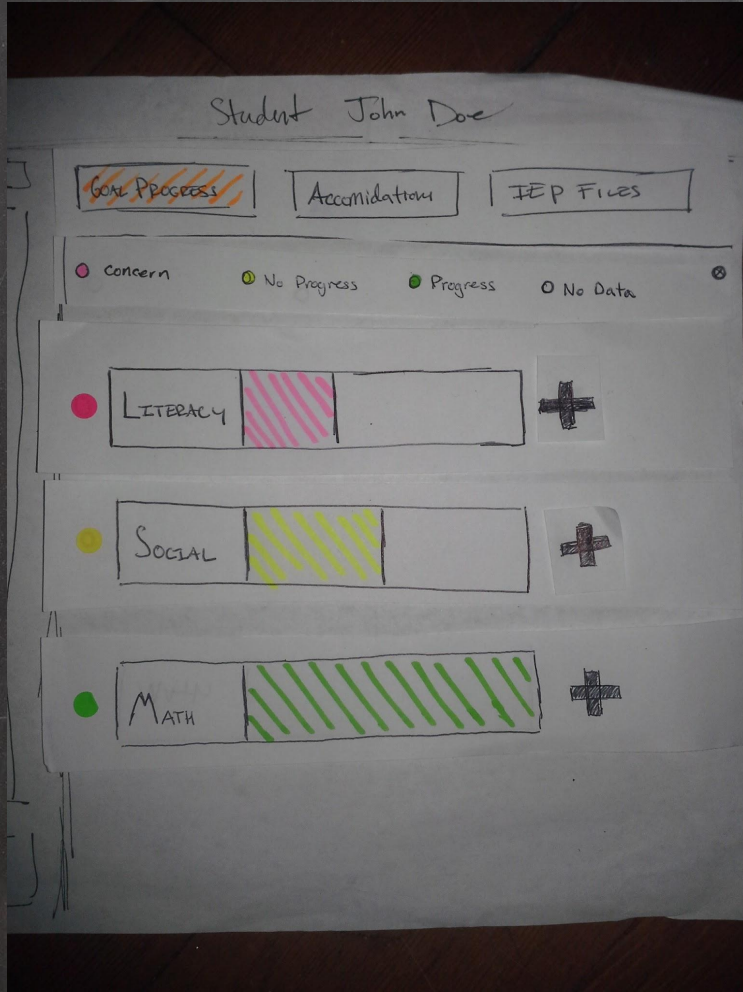
Previously Tracked

Score on Math Test %

• •

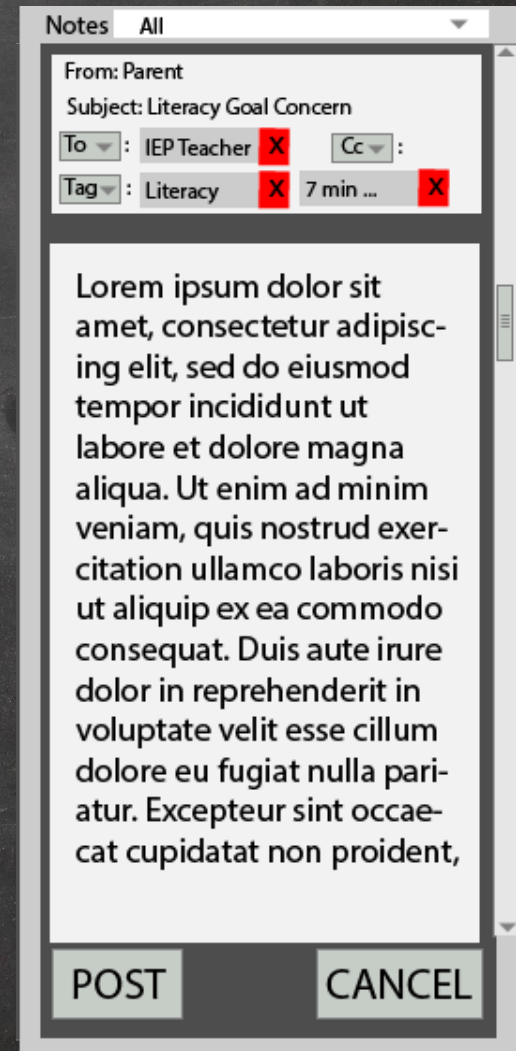
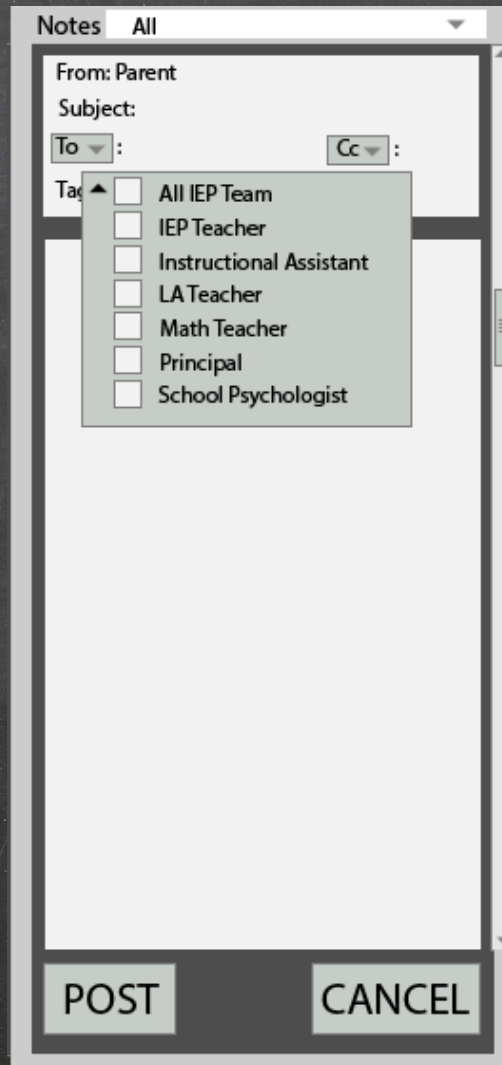
Final Paper Prototype

IEP-Connect Parent View



Final Paper Prototype


IEP-Connect Parent View




Digital Mockup



Digital Mockup


IEP-Connect Classroom


All Accommodations 

 Previous All Students



Stacy Atkinson	John Burton	John Doe	Nancy Ejram
Kasey Ernst	Laura Freidman	Ida Hall	Sylvia Lane
Bryce Lu	Jerome Owens	Tracy Rutgers	Tia Thomas
Claudia Valdez	Alonso Vida	Gena Waters	Eileen Wilson


 

All Accommodations 


 Previous All Students


Calculator	John Burton	John Doe	Tracy Rutgers	Claudia Valdez
Computer	Stacy Atkinson	Kasey Ernst	Nancy Ejram	Ida Hall
Extra Desk	Stacy Atkinson	Bryce Lu	Sylvia Lane	Alonso Vida
Extra Time	John Doe	Ida Hall	Tia Thomas	Gena Waters
Preferential Seating	Laura Freidman	Jerome Owens	Eileen Wilson	



John Doe 



Goals Accommodations

 Previous Track Accommodations

 Swipe right to submit

Calculator	<input type="radio"/> Yes <input type="radio"/> No
Extra Time	<input type="radio"/> Yes <input type="radio"/> No


Digital Mockup

IEP-Connect Classroom

John Doe

Goals


Accommodations



Previous

Track



Swipe right to submit

Write Paragraph under 7 minutes  min

Made Eye Contact Yes No

Score 80% on addition test %


Enter

John Doe

Goals


Accommodations



Previous

Track

Swipe right to submit

Write Paragraph under 7 minutes 


1	2	3
4	5	6
7	8	9
0	Accommodations Used	
Enter	<input type="checkbox"/> Calculator	<input type="checkbox"/> Extra Time
	<input type="checkbox"/> Computer	<input type="checkbox"/> Preferential Seating
	<input type="checkbox"/> Extra Desk	

Digital Mockup

IEP-Connect Classroom

John Doe

Goals Accommodations



< Previous




Track

Swipe right to submit

Write Paragraph under 7 minutes min


Made Eye Contact Yes No

Score 80% on addition test %

John Doe


Goals Accommodations




Recorded History

Most Recent


11/11/2014 10:23 PM




Write Paragraph under 7 minutes min 

11/11/2014 09:19 PM

Made Eye Contact 

11/11/2014 07:14 PM

Score 80% on addition test % 

Digital Mockup

IEP-Connect Parent View

1

A Web Page

IEP-Connect Individual Education Tracking for IEPs

Student: John Doe Settings | Logout

Conversations All search

Create a New Conversation

Conversation	DATE
Field Trip Permission slip by Parent	11/14/2014
Addition Test Results by Mrs. Green	11/03/2014
Calculators on Test by Mrs. Green	10/30/2014
Writing Homework by Mr. Brown	10/29/2014
Upcoming IEP Meeting by Mrs. Green	10/29/2014
Home Sick Today by Parent	10/28/2014
Classroom Visit by Mr. Black	10/28/2014
Extra Time on HW! by Parent	10/25/2014
Psychological Evaluation by Mrs. Thompson	10/20/2014
Incentive Program by Parent	10/15/2014
Graphic Organizer for Pers... by Mr. Brown	10/10/2014

Goal Progress Accommodations Timeline IEP Files

! Concern No Progress Progress No Data

Literacy 34% !

Social 58%

Math 90% *

Help

2

A Web Page

IEP-Connect Individual Education Tracking for IEPs

Student: John Doe Settings | Logout

Conversations All search

Create a New Conversation

Conversation	DATE
Writing Homework by Mr. Brown	10/29/2014
Graphic Organizer for Pers... by Mr. Brown	10/10/2014

Goal Progress Accommodations Timeline IEP Files

! Concern No Progress Progress No Data

Literacy 34% !

Goal: Write a paragraph in under 7 minutes Info !

Current Assessment: 12 min	Previous Assessment: 8 min	Previous Month Avg: 8 min
----------------------------	----------------------------	---------------------------

Amount of Time Needed to Write a Paragraph

Date (Day-Month)	Current (Minutes)	Goal (Minutes)
28-Sep	8	7
3-Oct	8	7
8-Oct	9	7
13-Oct	9	7
18-Oct	9	7
23-Oct	8	7
28-Oct	8	7
2-Nov	12	7

Concern: John has recently taken a lot more time to write a paragraph
 Suggestions: Talk to the teacher to see why they think this is happening

Create New Conversation

Digital Mockup

IEP-Connect Parent View

3

A Web Page

IEP-Connect Individual Education Tracking for IEPs

Student: John Doe

Conversations All search

Create a New Conversation

Conversation	DATE
Writing Homework by Mr. Brown	10/29/2014
Graphic Organizer for Pers... by Mr. Brown	10/10/2014

Goal Progress Accommodations Timeline

Concern No Progress Progress

Literacy 34%

Goal: Write a paragraph in under 7 minutes

Current Assessment: 12 min	Previous Assessment: 8 min	Previous Month Avg: 8 min
----------------------------	----------------------------	---------------------------

Amount of Time Needed to Write a Paragraph

Concern: John has recently taken a lot more time to write a paragraph
Suggestions: Talk to the teacher to see why they think this is happening

Create New Conversation

4

A Web Page

IEP-Connect Individual Education Tracking for IEPs

Student: John Doe

Settings | Logout

Conversations All search

Create a New Conversation

To: Mrs. Green

Cc:

Subject: Literacy Goal Concern

Tags: Literacy 7 min

B I U ab style

Post Draft Cancel

Goal Progress Accommodations Timeline IEP Files

Concern No Progress Progress No Data

Literacy 34%

Goal: Write a paragraph in under 7 minutes

Current Assessment: 12 min	Previous Assessment: 8 min	Previous Month Avg: 8 min
----------------------------	----------------------------	---------------------------

Amount of Time Needed to Write a Paragraph

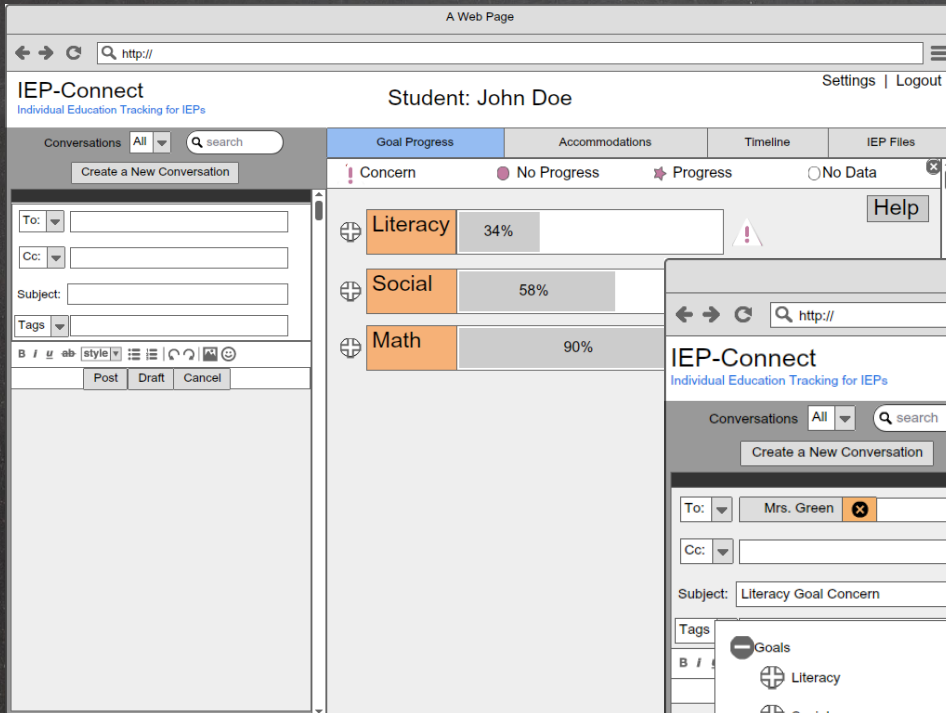
Concern: John has recently taken a lot more time to write a paragraph
Suggestions: Talk to the teacher to see why they think this is happening

Create New Conversation

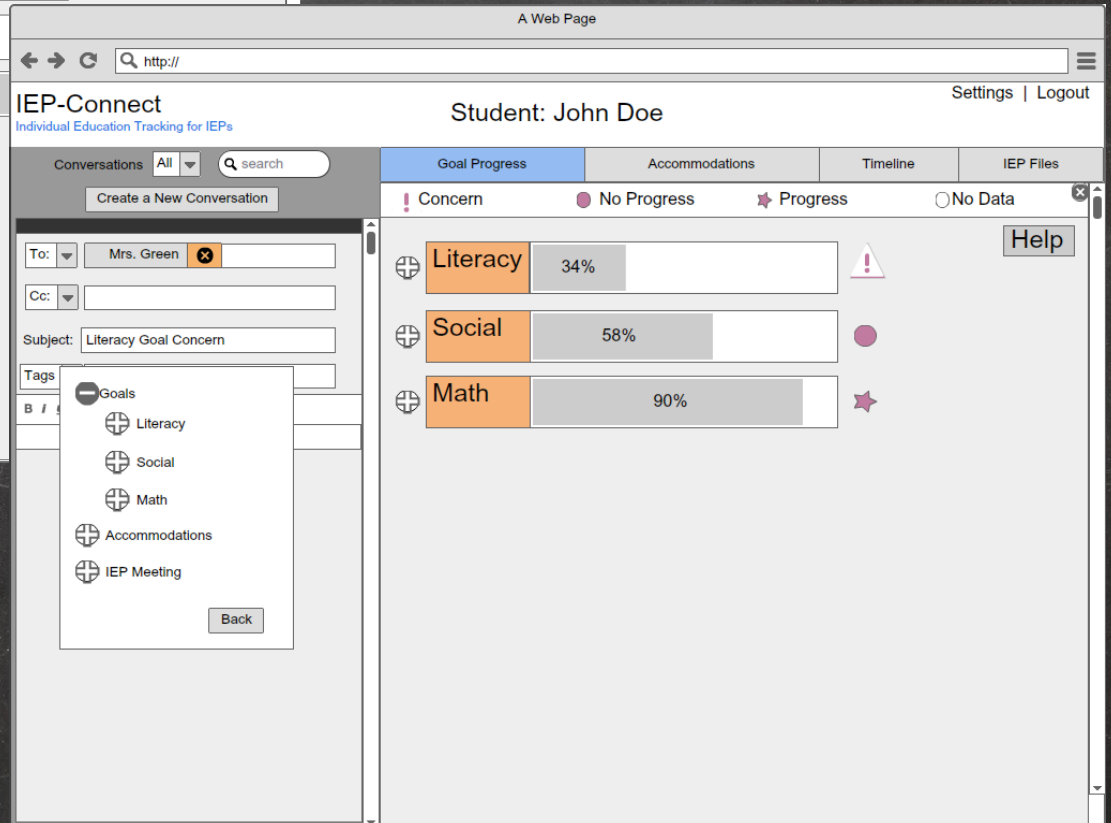
Digital Mockup

IEP-Connect Parent View

5



6



Final Thoughts

Summary

- Participant recruiting
- Bridging the paper/digital divide
- Knowing when to stop

Thank you!
