

# Tekzenit CRS iPad App

## Accessibility Results & Suggestions

Table of Contents

Positioning  
Functionality  
Color Accessibility

**June 2014**

**tekzenit research**

## A word of Caution

- The following recommendations will NOT make the CRS App 100% accessible
- Accessibility / CATO compliance incorporates Hardware, Physical Positioning, Responsive Design, and standard Color/Contrast measures
- The full set of Accessibility requirements for touch devices can be found at: <http://www.w3.org/WAI/mobile/>

# Positioning

# Positioning

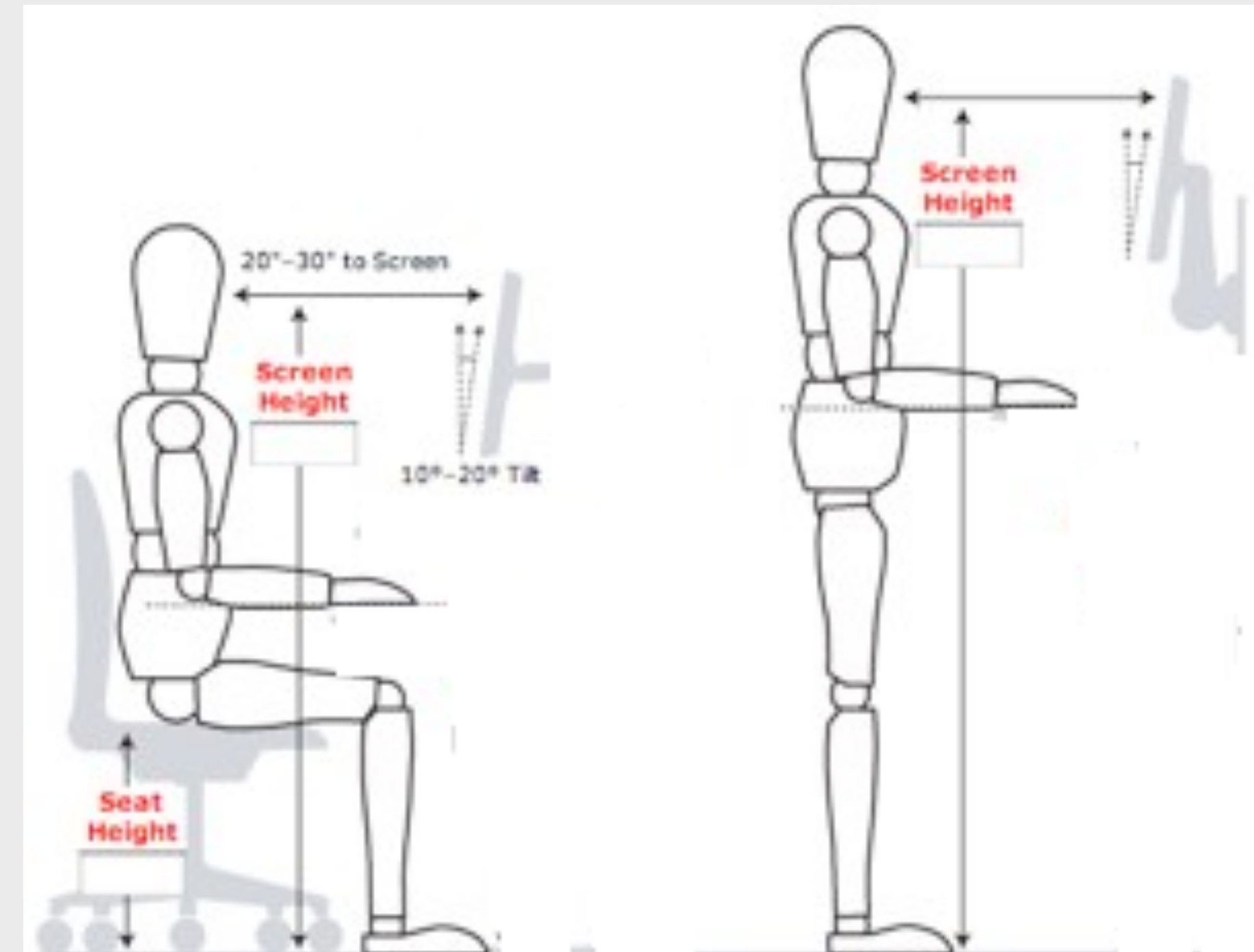
Physical Positioning of the touch screen display is important to usability and accessibility

- **Eye Level** - The point from 2 to 3 inches down from the top of the display casing should be at user eye level.
- **Adjustability** - Since all users are not the same height, the display should either be:

- Large enough to accommodate 99% of all users

OR

- Adjustable so that users can adjust the display to their comfort level; notice the pivot points in the diagrams to the right for the displays
- Adjustability is also a consideration for users in wheel chairs



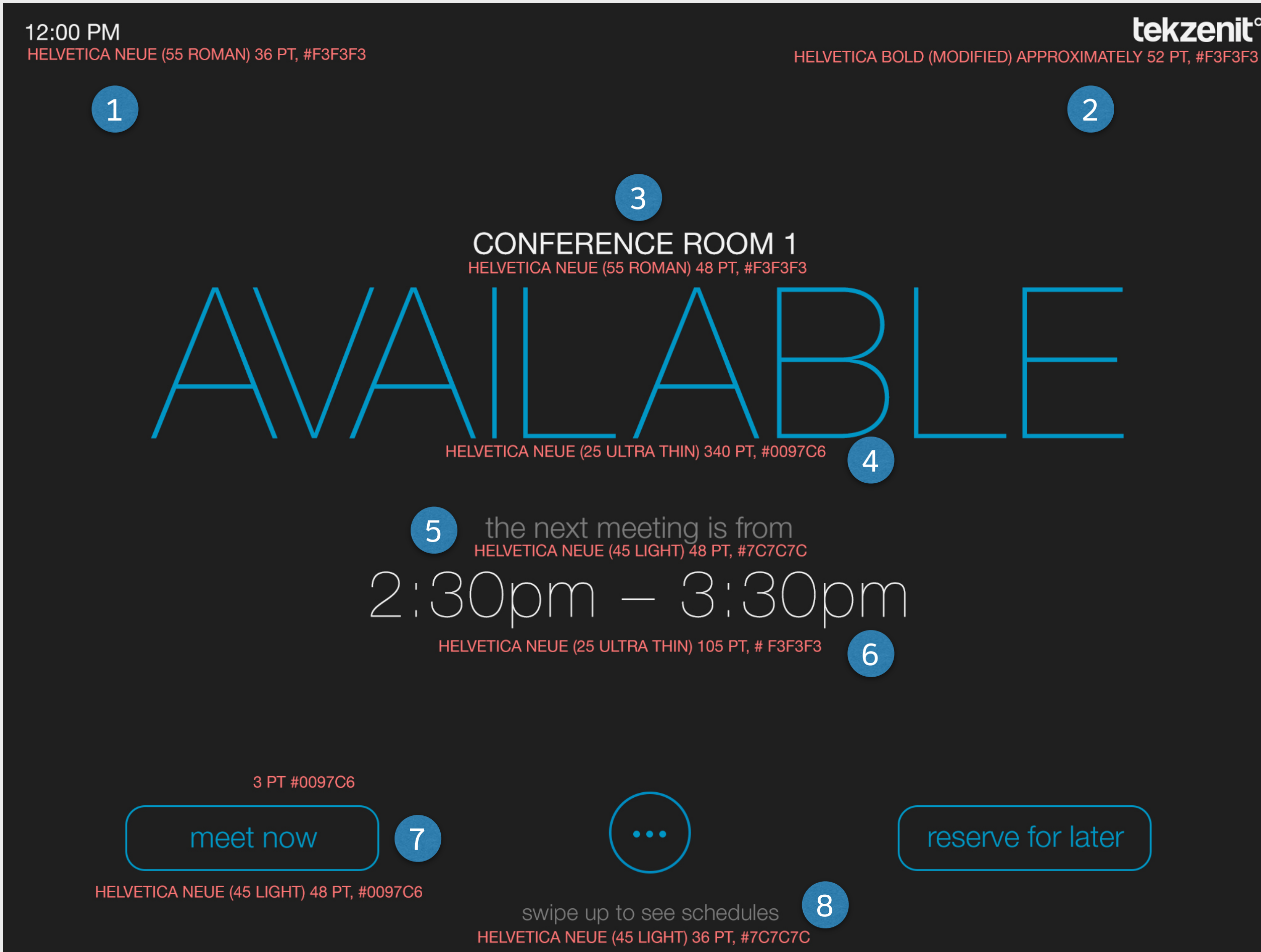
Functionality

# Functionality

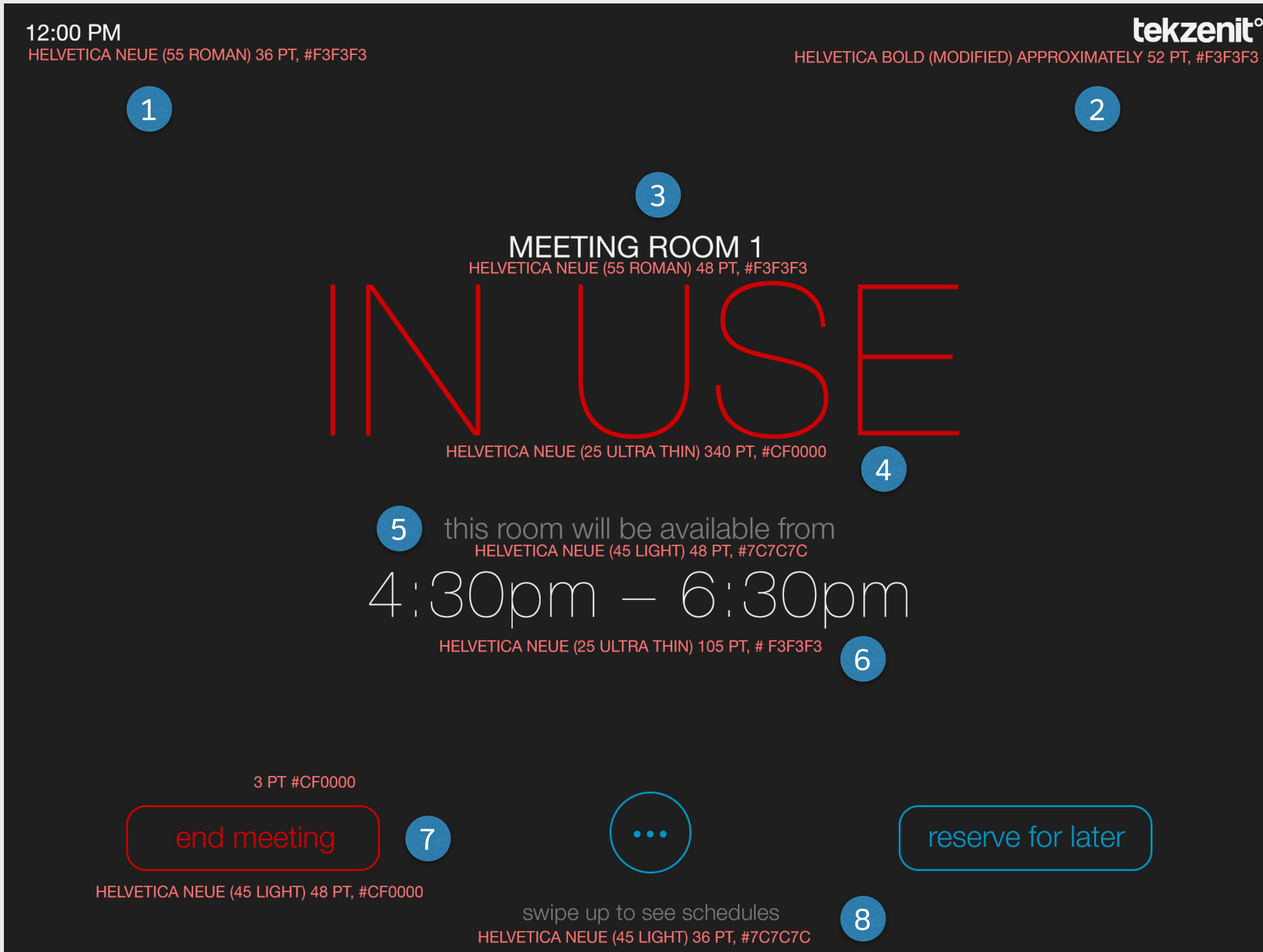
Additional functionality allows the app to easily adjust to user needs without obtuse gestures / actions

- **Text Size** - Provide quick access to text size increases w/o the need to zoom or pinch (buttons to allow 2X 3X text sizes for immediate resizing)
- **Responsive Design** - Responsive Design does not only include display changes when viewed on different devices but also display changes as users zoom and make text larger due to visual needs.
- **Button Size** - For 95th Percentile and above males, provide larger buttons to accommodate finger sizes
- **Button Size** - For users with fine motor control issues, provide larger buttons that can be easier targets

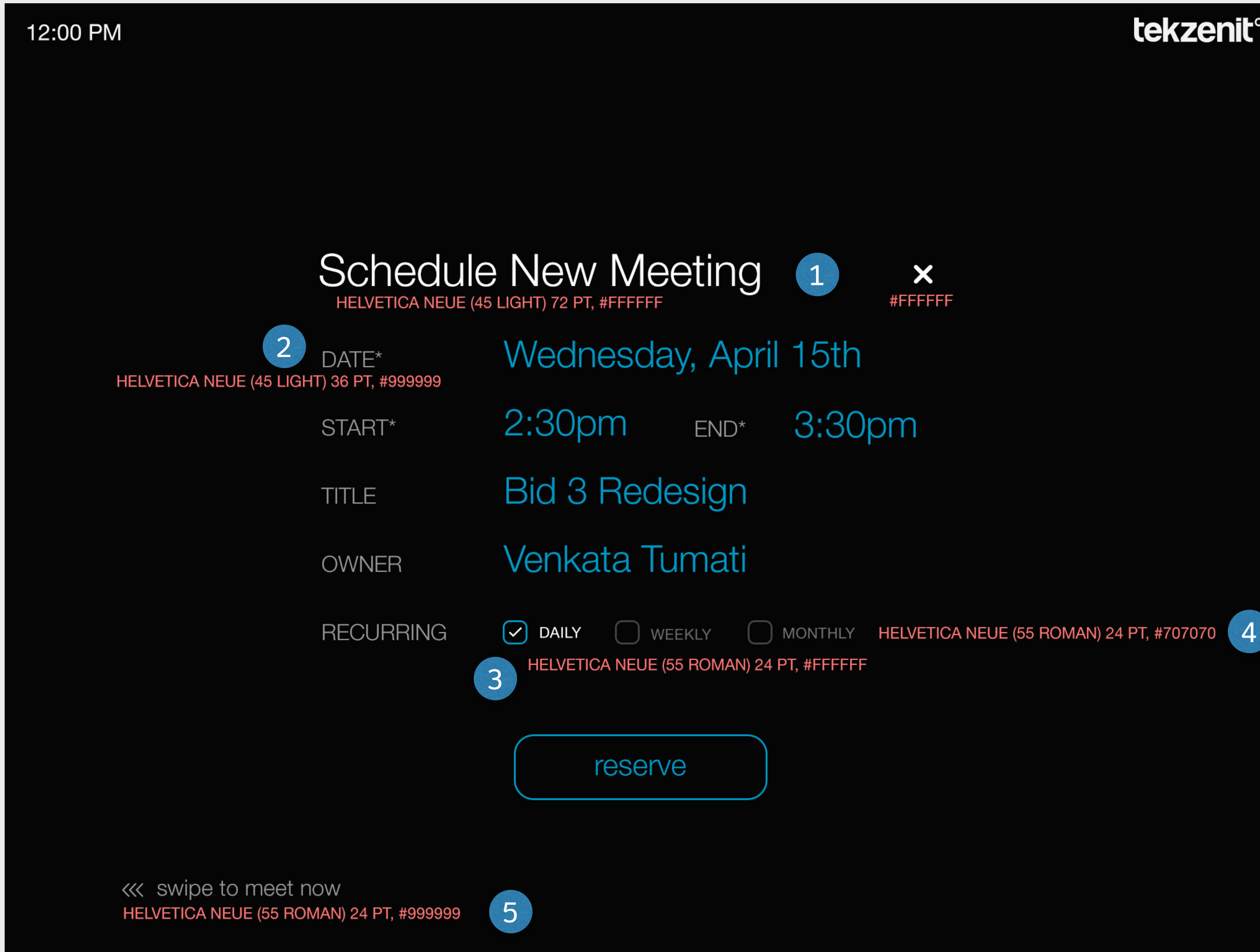
# Color Usage



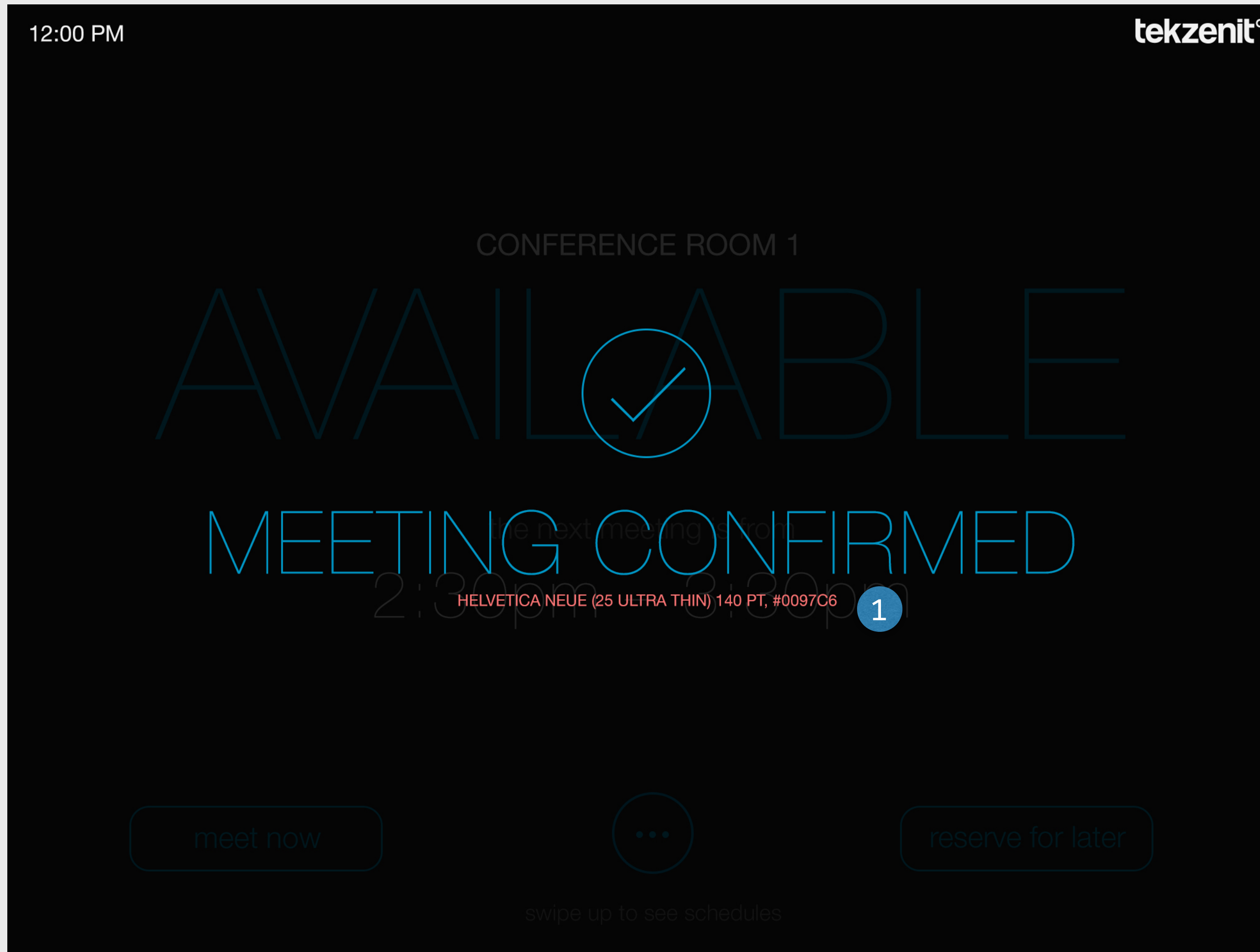
Item	Color	Background	Value	Pass / Fail
1	f3f3f3	1f1f1f	14.85	P
2	f3f3f3	1f1f1f	14.85	P
3	f3f3f3	1f1f1f	14.85	P
4	0097c6	1f1f1f	4.89	P Large Size
5	7c7c7c	1f1f1f	3.94	P Large Size
6	f3f3f3	1f1f1f	14.85	P
7	0097c6	1f1f1f	4.89	P Large Size
8	7c7c7c	1f1f1f	3.94	P Large Size



Item	Color	Background	Value	Pass / Fail
1	f3f3f3	1f1f1f	14.85	P
2	f3f3f3	1f1f1f	14.85	P
3	f3f3f3	1f1f1f	14.85	P
4	cf0000	1f1f1f	2.86	F
5	7c7c7c	1f1f1f	3.94	P Large Size
6	f3f3f3	1f1f1f	14.85	P
7	cf0000	1f1f1f	2.86	F
8	7c7c7c	1f1f1f	3.94	P Large Size



Item	Color	Background	Value	Pass / Fail
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 6px;">1</span>	ffffff	111111	16.48	P
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 6px;">2</span>	999999	111111	5.78	P
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 6px;">3</span>	ffffff	111111	16.48	P
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 6px;">4</span>	707070	111111	3.32	P Large Size
<span style="border: 1px solid black; border-radius: 50%; padding: 2px 6px;">5</span>	999999	111111	5.78	P



Item	Color	Background	Value	Pass / Fail
1	0097c6	111111	5.64	P

Item	Color	Background	Value	Pass / Fail
1	ffffff	181818	17.75	P
2	999999	181818	6.23	P
3	707070	181818	3.58	Pass LARGE only
4	464646	111111	2	F
5	565656	181818	2.41	F
6	9c9c9c	181818	6.46	P

12:00 PM CONFERENCE ROOM 1 tekzenit°

+ NEW MEETING FIND MEETING 1 < APRIL 2014 > LIST DAY WEEK MONTH

HELVETICA NEUE (55 ROMAN) 24 PT, #FFFFFF

enter keywords FIND

05 06 07 08 09 10 11

12 13 14 15 16 17 18

19 20 21 22 23 24 25

26 27 28 29 30 01 02

HELVETICA NEUE (45 LIGHT) 30 PT, #FFFFFF HELVETICA NEUE (45 LIGHT) 30 PT, #434242

Item	Color	Background	Value	Pass / Fail
1	ffffff	181818	17.75	P
2	707070	464646	1.9	F
3	ffffff	111111	16.48	P
4	424242	1f1f1f	1.64	F
5	464646	111111	2	F
6	464646	1f1f1f	1.74	F

12:00 PM tekzenit°

CONFERENCE ROOM 1

## Edit Meeting x

DATE\* Wednesday, April 15th

START\* 2:30pm END\* 3:30pm

TITLE Bid 3 Redesign

OWNER Venkata Tumati

RECURRING  DAILY  WEEKLY  MONTHLY

meet now save ... reserve for later

Delete this Meeting

HELvetica NEUE (45 LIGHT) 36 PT, #EBEBEB 1

Item	Color	Background	Value	Pass / Fail
1	ebebeb	111111	15.94	P

12:00 PM CONFERENCE ROOM 1 tekzenit°

+ NEW MEETING FIND MEETING < APRIL 2014 > LIST DAY WEEK MONTH

enter keywords #111111 FIND

05	06	07	08	09	10	11
12	13	14	15	16 #464646	17	18
19	20	21	22	23	24 #111111	25
26	27	28	29	30	01	02

#1F1F1F

Item	Color	Background	Value	Pass / Fail
1	464646	111111	2	F

12:00 PM CONFERENCE ROOM 1 tekzenit°

+ NEW MEETING FIND MEETING 1 < APRIL 2014 > LIST DAY WEEK MONTH  
HELVETICA NEUE (45 LIGHT) 50 PT, #1FFFFFF

enter keywords 2 FIND  
HELVETICA NEUE (55 ROMAN) 72 PT, #1F1F1F

8:30am -12:00pm Trevor Connolly CRS App ...  
HELVETICA NEUE (55 ROMAN) 30 PT, #FFFFFF 3

1:00pm - 2:00pm Venkata Tumati at&t bid3 redesign weekly ... EDIT DELETE  
HELVETICA NEUE (55 ROMAN) 30 PT, #999999 4

3:30pm - 4:30pm Chris Clark GMR ...

5:00pm - 5:30pm Trevor Connolly iinview corporate ...

WEEK 3  
 MONDAY, APRIL 28TH

TIME SCHEDULED BY TOPIC  
HELVETICA NEUE (55 ROMAN) 18 PT, #707070 5

8:30am -12:00pm Leandro Veloso Check availability and find location ...

8:30am -12:00pm Michele UX Review ...

8:30am -12:00pm Trevor PCCI Meeting ...

Item	Color	Background	Value	Pass / Fail
1	ffffff	181818	17.75	P
2	1f1f1f1f	111111	1.14	F
3	ffffff	181818	17.75	P
4	999999	181818	6.23	P
5	707070	181818	3.58	P LARGE ONLY