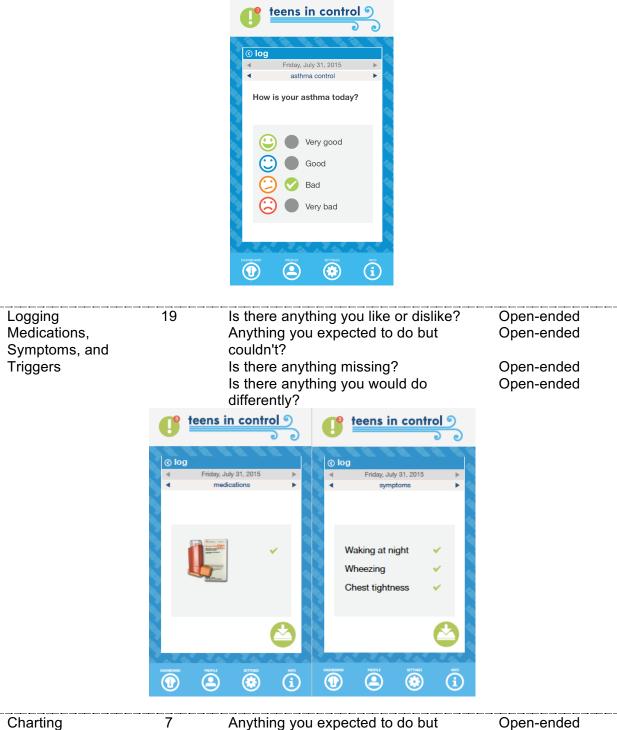
Feature	Number of Screens in Wireframe	Interview Items	Response option
Login/Home Screen	2	Do you like the overall look and feel?	Yes/No
		Is there anything you like or dislike?	Open-ended
		teens in control 9	
		<image/>	
Profile	17	Would having a profile be useful?	Yes/No
		Do you like the idea of having an avatar?	Yes/No
		Anything you expected to do but couldn't?	Open-ended
		Is there anything missing?	Open-ended
		Is there anything you would do differently?	Open-ended
		Is there anything about the profile set- up that is confusing?	Open-ended
		Mentions customization for inputting goals, medications, symptoms, or triggers	Yes/No

Appendix 1. Semi-structured interview questions and example screenshots used during usability tests

ⓒ pr	ofile		③ profile				Image: Constant of the second seco	ile		
•	Friday, July 31, 2015	►		Friday, July 31, 20	15	>	۹.	Friday, July 31, 2015		J
•	edit personal infomation	•	•	medications		•	•	medications		I
			Add Medic	d medication	DON		1		~	
	change avatar >	•	C		G			THE RATE Annual		
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Settings and Info	4	Is there anything you like or dislike?	Open-ended
		Is there anything missing?	Open-ended
		Is there anything you would do differently?	Open-ended
		Is there anything confusing?	Open-ended
		Would it be useful for the app to include links to websites with information on:	
		How to use your inhaler?	Yes/No
		How your medications work in your body?	Yes/No
		How to tell the difference between a rescue and control medication?	Yes/No
		How to remember to take your medications?	Yes/No
		How to talk with your doctor about your asthma?	Yes/No
		How to avoid your asthma triggers?	Yes/No
		How to tell when your asthma is not well-controlled?	Yes/No

		Image: Second secon	
Games and quizzes	10	<text><text></text></text>	Yes/No Yes/No Open-ended
Asthma Control Quiz	5	Would you find an asthma control quiz useful? How often would you take this quiz? Do you like the smiley-face response options?	Yes/No Open-ended Yes/No



arting	7	Anything you expected to do but couldn't?	Open-ended
		Is there anything missing?	Open-ended
		ls there anything you would do differently?	Open-ended
		What do the dots/bar/line mean to you?	Open-ended

How would you rate the asthma control of this person [for bar chart and line graph]?

4-point (4=very controlled, 3=controlled, 2=uncontrolled, 1=very uncontrolled) Bar chart or line graph Yes/No

Mentions customization

>

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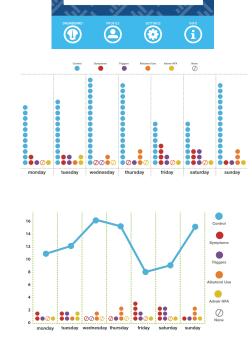
symptoms

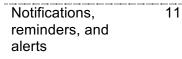
triggers

medications

0

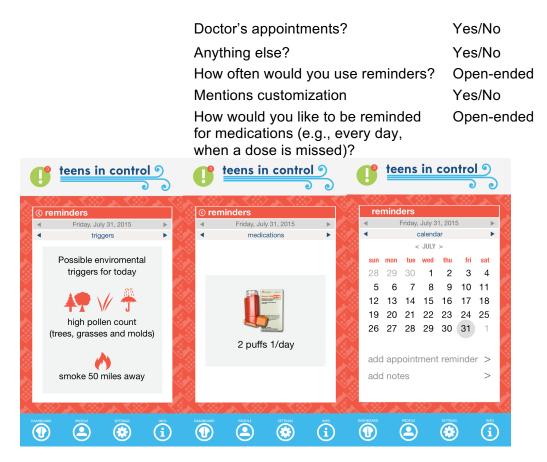
Which type of chart do you prefer?





Would you use notifications/reminders/alerts for:

Triggers? Medications? Yes/No Yes/No



Summary Questions	Overall, what did you like about the app?	Open-ended
	Overall, what did you not like about the app?	Open-ended
	On a 1-5 scale, how likely would you be to use this app?	5-point scale (1 = not at all likely, and 5 = very likely)
	If changes (you suggested) were made, would you be more likely to use the app?	Yes/No
	Would you find an app like this useful?	Yes/No
	What are the top 3 things you liked about the app?	Open-ended
	What are the top 3 things you did not like about the app?	Open-ended