

QUENTIN PERROT, EDWIN PARK, JI PARK & ASAD KHALIQ

HIGH-FI PROTOTYPE USHER

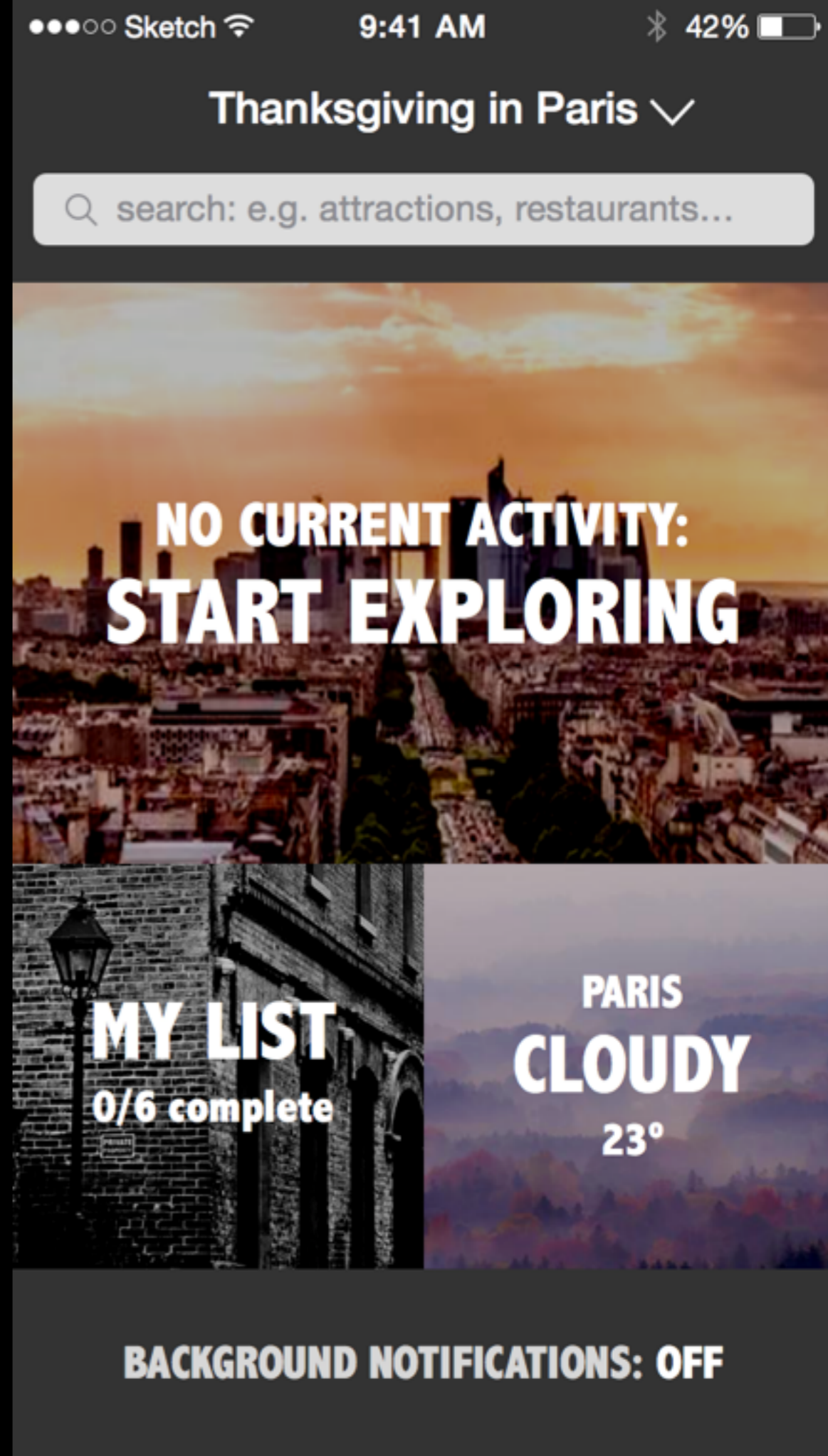
Bringing travellers the perfect companion to guide them through a day balanced with planned activities and spontaneity

WHAT WE ARE SOLVING

Travellers desire a balance of *planning* and *spontaneity*

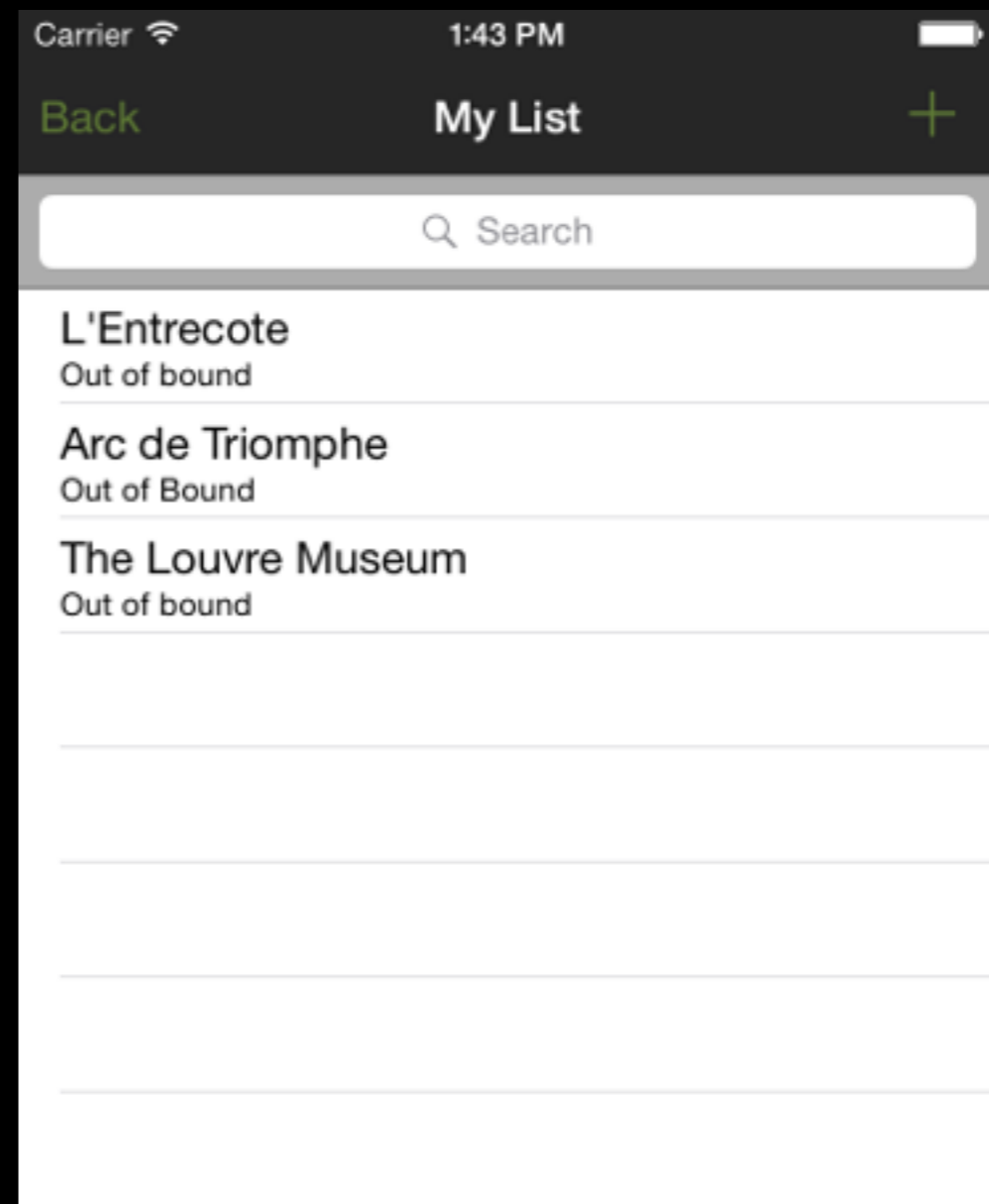


Usher is a platform that allows users to *shape* their day on-the-go



OVERVIEW

Category	# Viol. (sev 0)	# Viol. (sev 1)	# Viol. (sev 2)	# Viol. (sev 3)	# Viol. (sev 4)	# Viol. (total)
[H2-1: Visibility of Status]			1	2		3
[H2-2: Match Sys & World]		1	1	2		4
[H2-3: User Control]						0
[H2-4: Consistency]		5	2	2		9
[H2-5: Error Prevention]			1	1	1	3
[H2-6: Recognition not Recall]		1	2			3
[H2-7: Efficiency of Use]		1	1		1	3
[H2-8: Minimalist Design]	3	4	1			8
[H2-9: Help Users with Errors]						0
[H2-10: Documentation]						0
Total Violations by Severity						33



From **HE results** to **revised UI designs** to **prototype status** to **demo**.

HEURISTIC EVALUATION RESULT

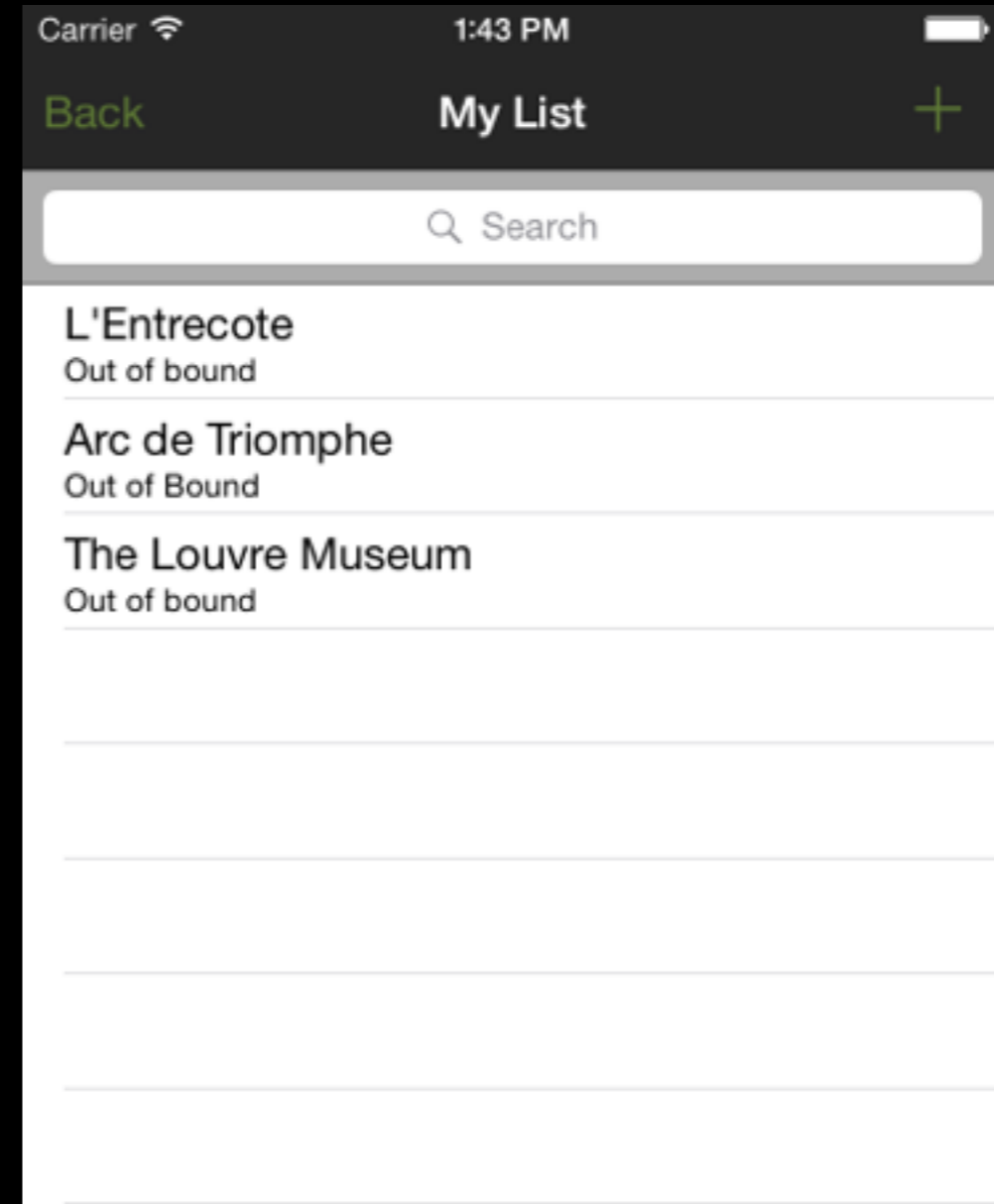
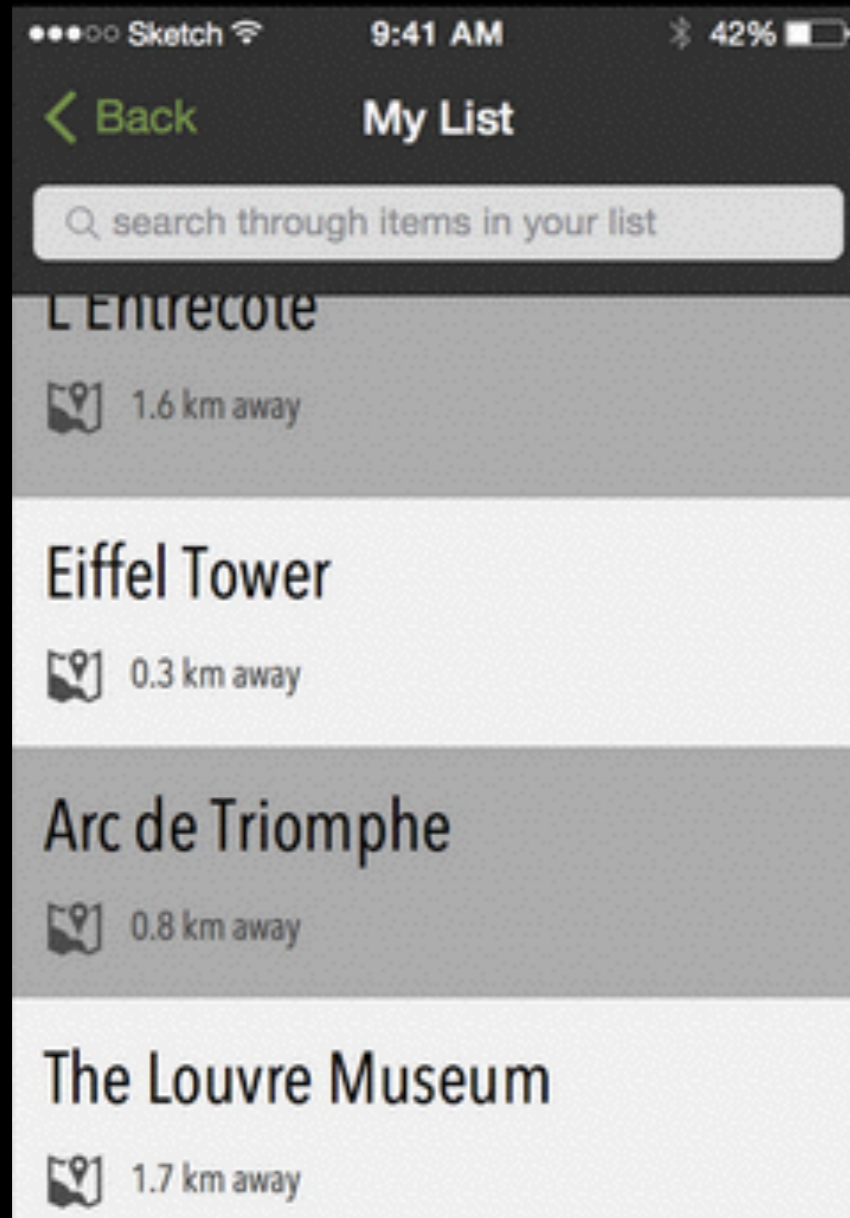
33 Violations,

9 Consistency Problems,

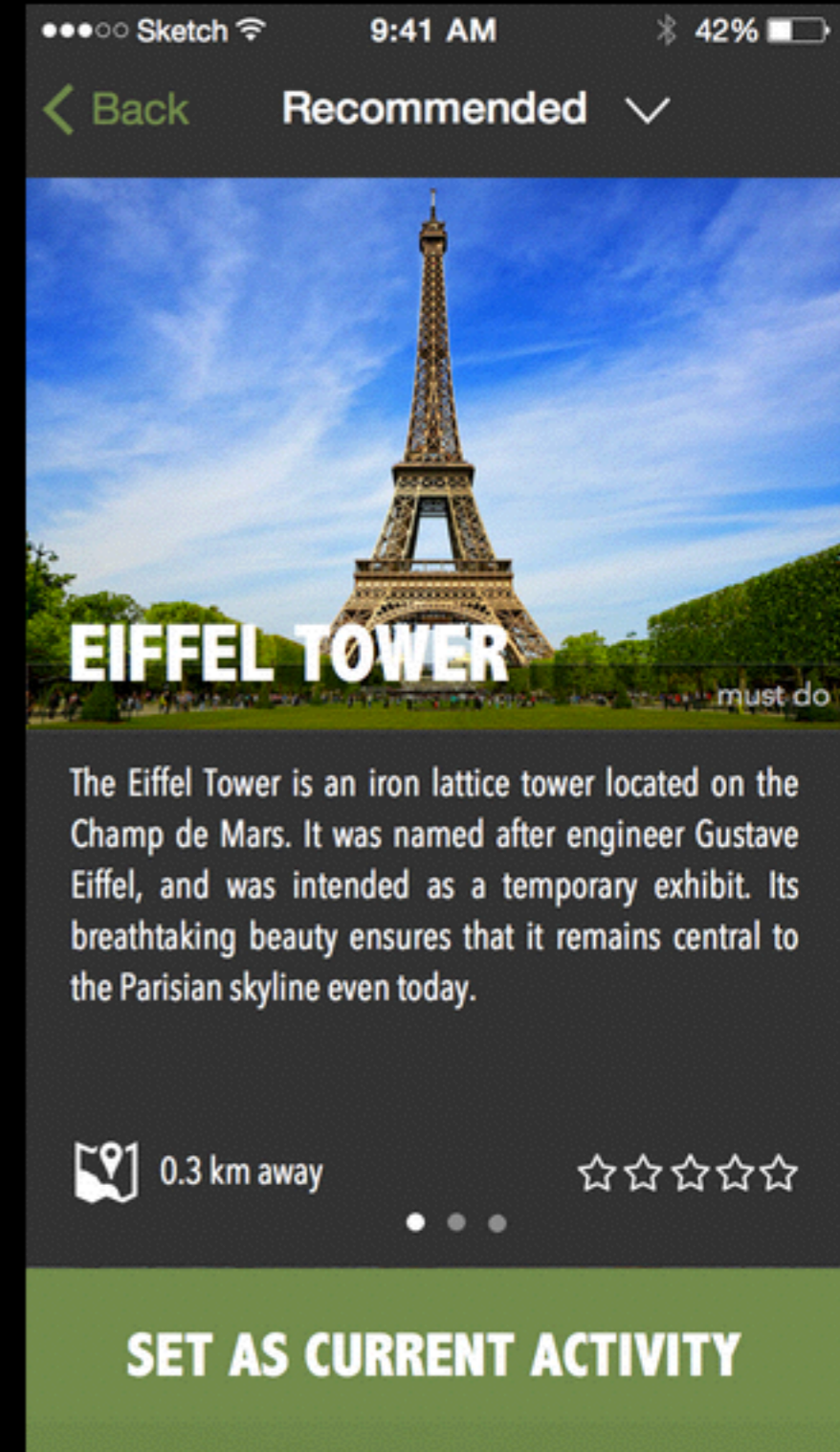
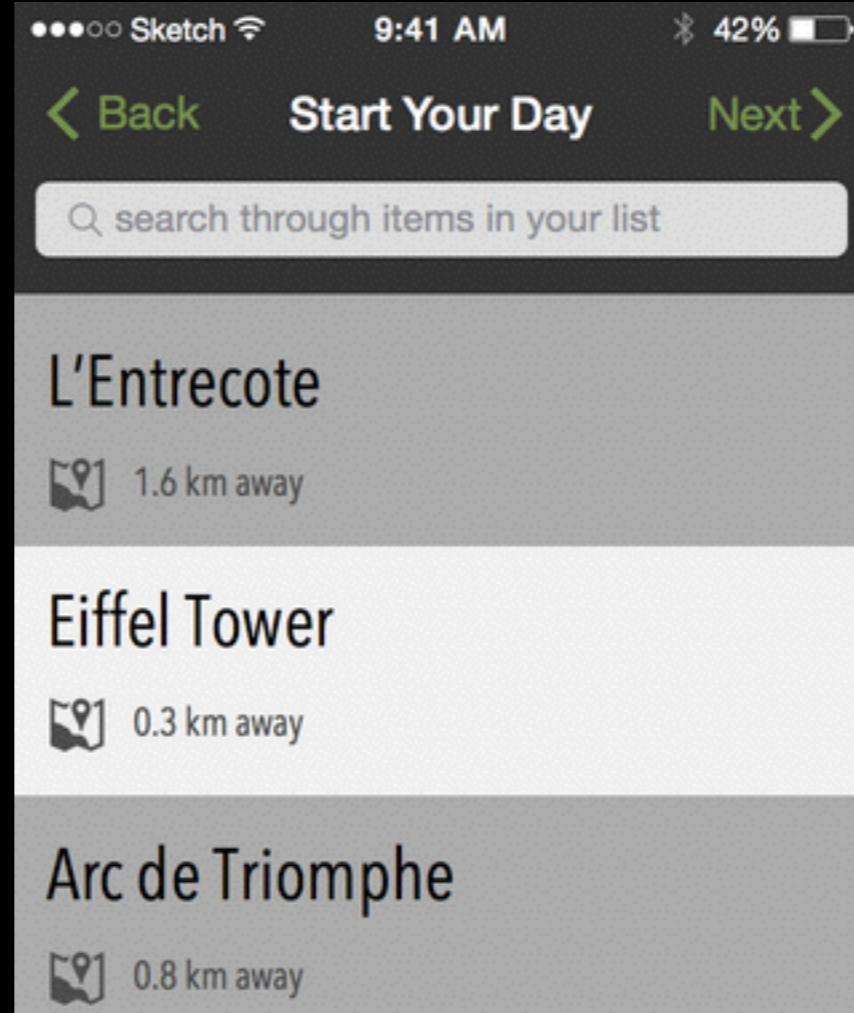
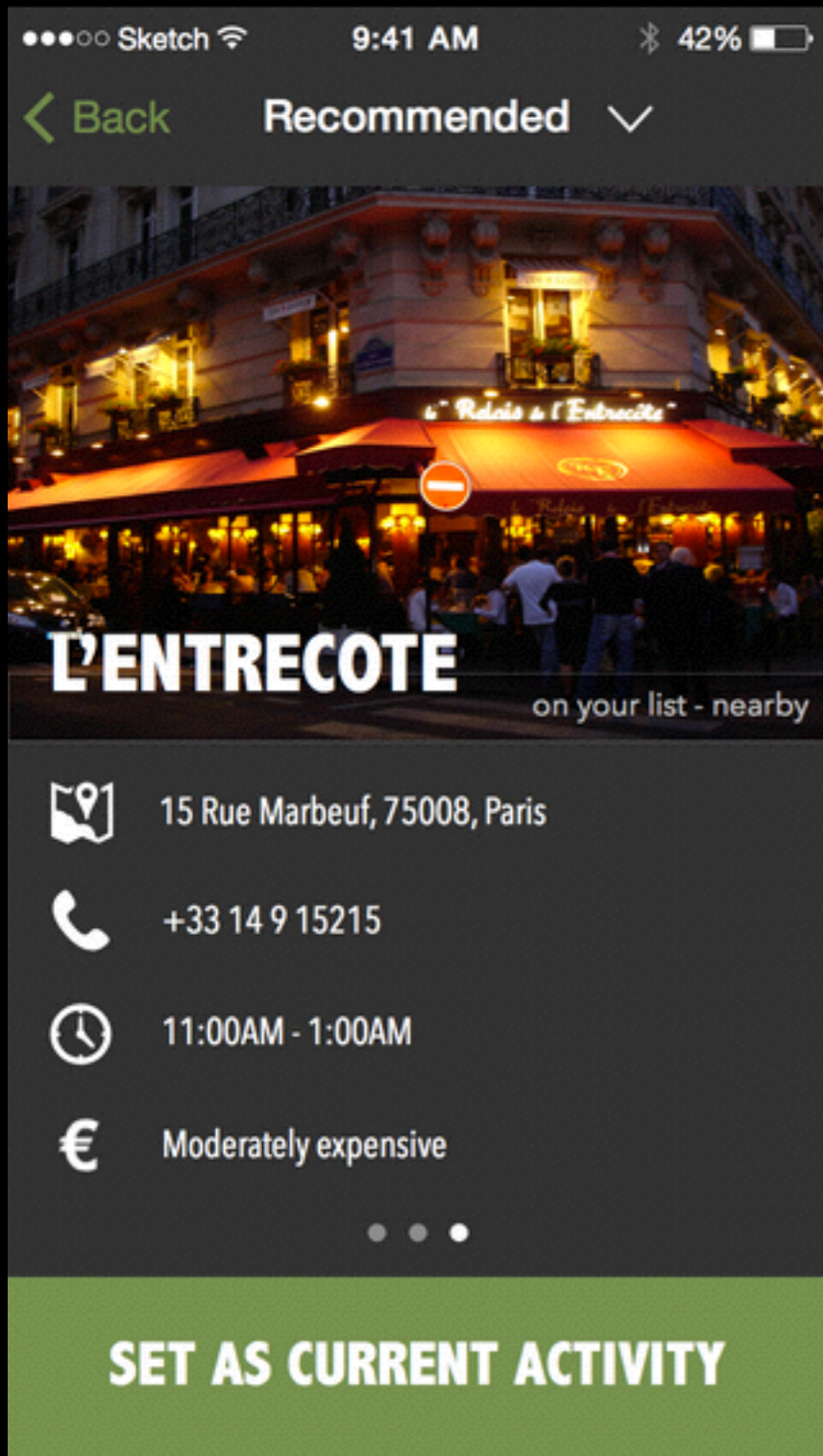
8 Design Problems,

2 Severity Four Problems




CHANGE I - ADD BUTTON ADDED



CHANGE II - DESIGN CLARIFICATIONS



CHANGE III - CONSISTENCY

<p>Sketch 9:41 AM 42%</p> <p>< Back Recommended</p>  <p>EIFFEL TOWER must do</p> <p>The Eiffel Tower is an iron lattice tower located on the Champ de Mars. It was named after engineer Gustave Eiffel, and was intended as a temporary exhibit. Its breathtaking beauty ensures that it remains central to the Parisian skyline even today.</p> <p>0.3 km away ☆☆☆☆☆</p> <p>SET AS CURRENT ACTIVITY</p>	<p>Sketch 9:41 AM 42%</p> <p>< Back Recommended</p>  <p>EIFFEL TOWER must do</p> <p>Here's what people say about this attraction:</p> <p>scenic views, landmark, romantic, sunset, picnic, champagne, ice skating, gardens, architecture, tours, casual, dancing, good for a late night, hipster</p> <p>...</p> <p>SET AS CURRENT ACTIVITY</p>	<p>Sketch 9:41 AM 42%</p> <p>< Back Recommended</p>  <p>EIFFEL TOWER must do</p> <p>5 Avenue Anatole, 75007 Paris, France</p> <p>+33 892 70 12 39</p> <p>All day</p> <p>Free</p> <p>...</p> <p>SET AS CURRENT ACTIVITY</p>
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CHANGE IV - MORE FUNCTION TO MY LIST

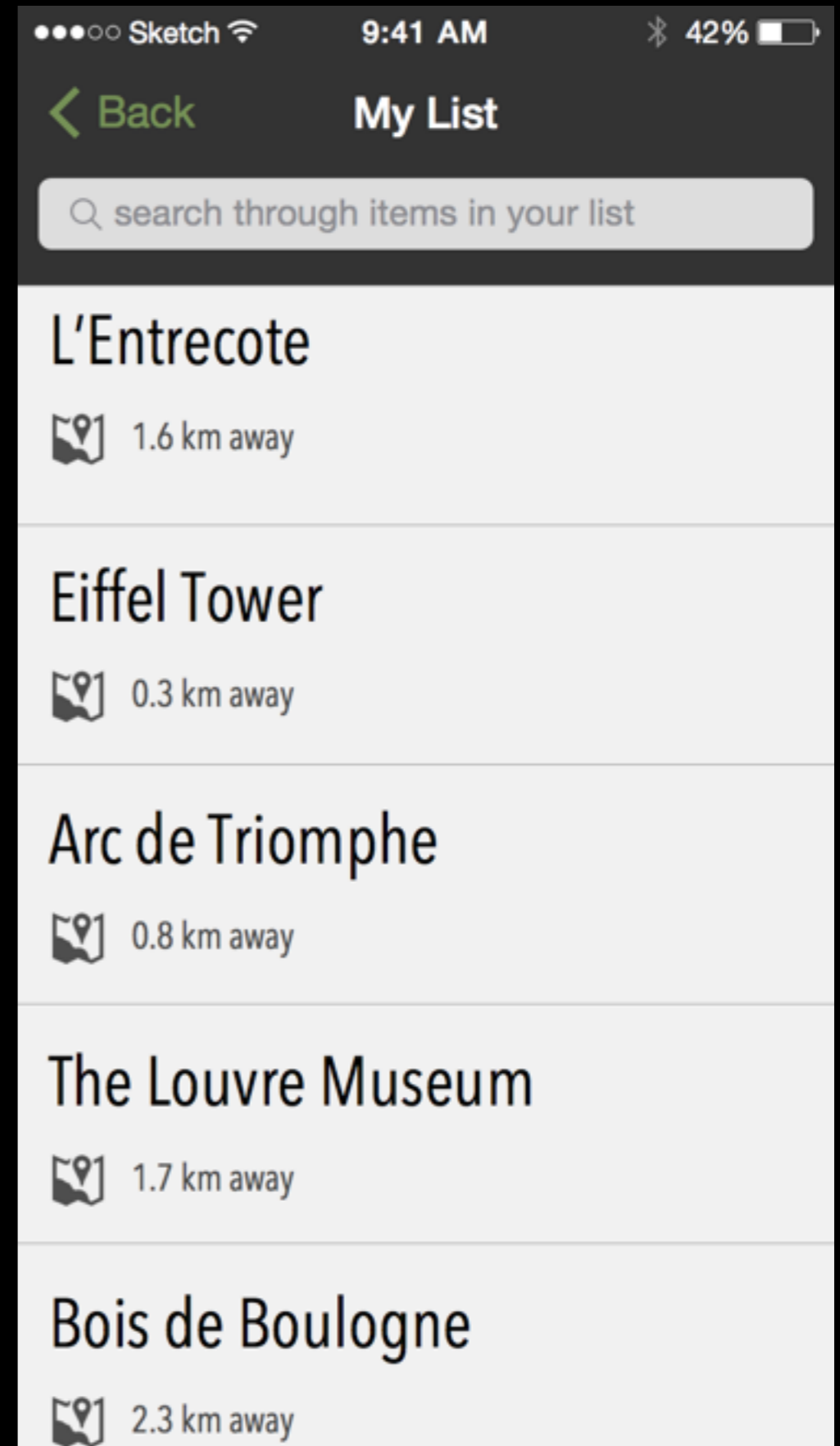
Before: Limited List

MyList only a storage center for quick viewing

Now: Rich Functionality

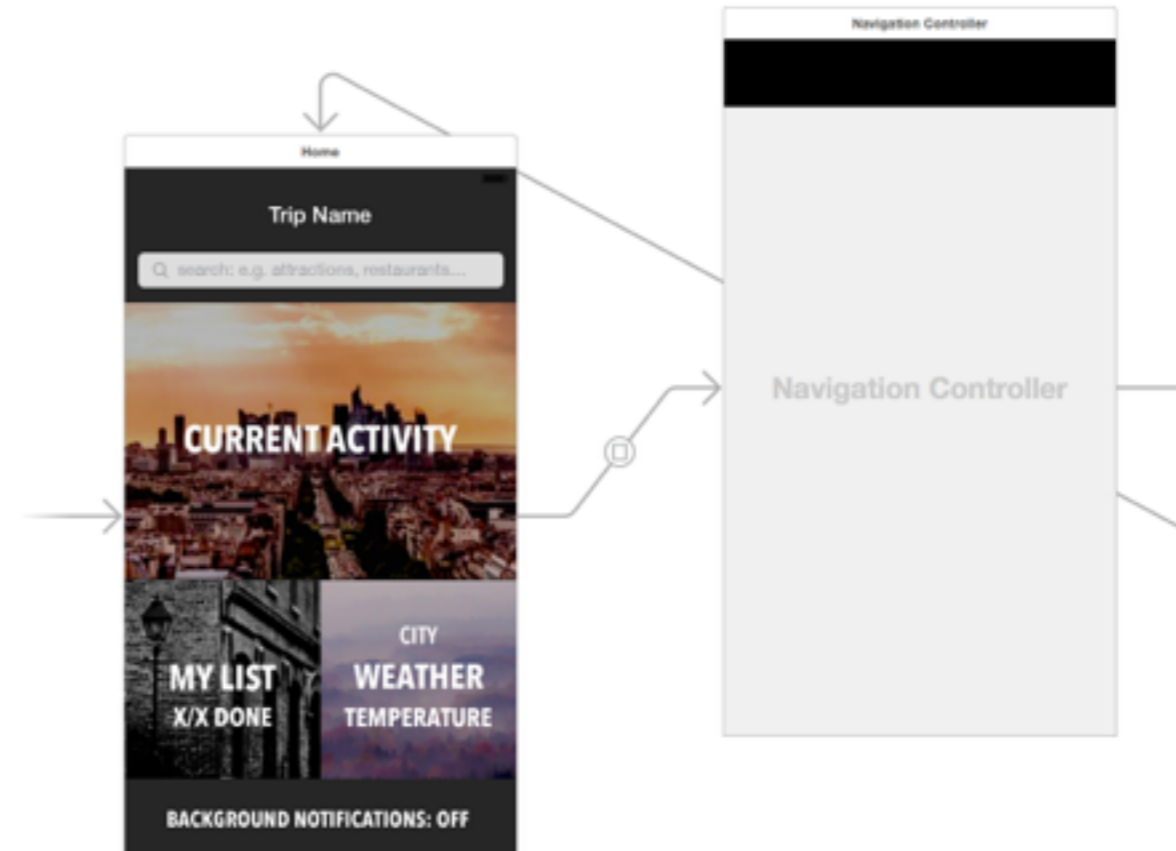
Allows users to complete tasks in various ways: bypass

Recommendations to *mark* events as done, *view* more information about specific events and *add* to the list



IMPLEMENTATION: TOOLS USED

- **XCode** for iOS programming
- **BitBucket** to share repositories
- **StackOverflow** for help in all areas



 **Bitbucket**

 **stackoverflow**

IMPLEMENTATION: **OUR DEVELOPMENT PLAN**

Found something you wanna do in a trip to Paris? *Add.*



Wanna update your list? Stare and dream? *My List.*



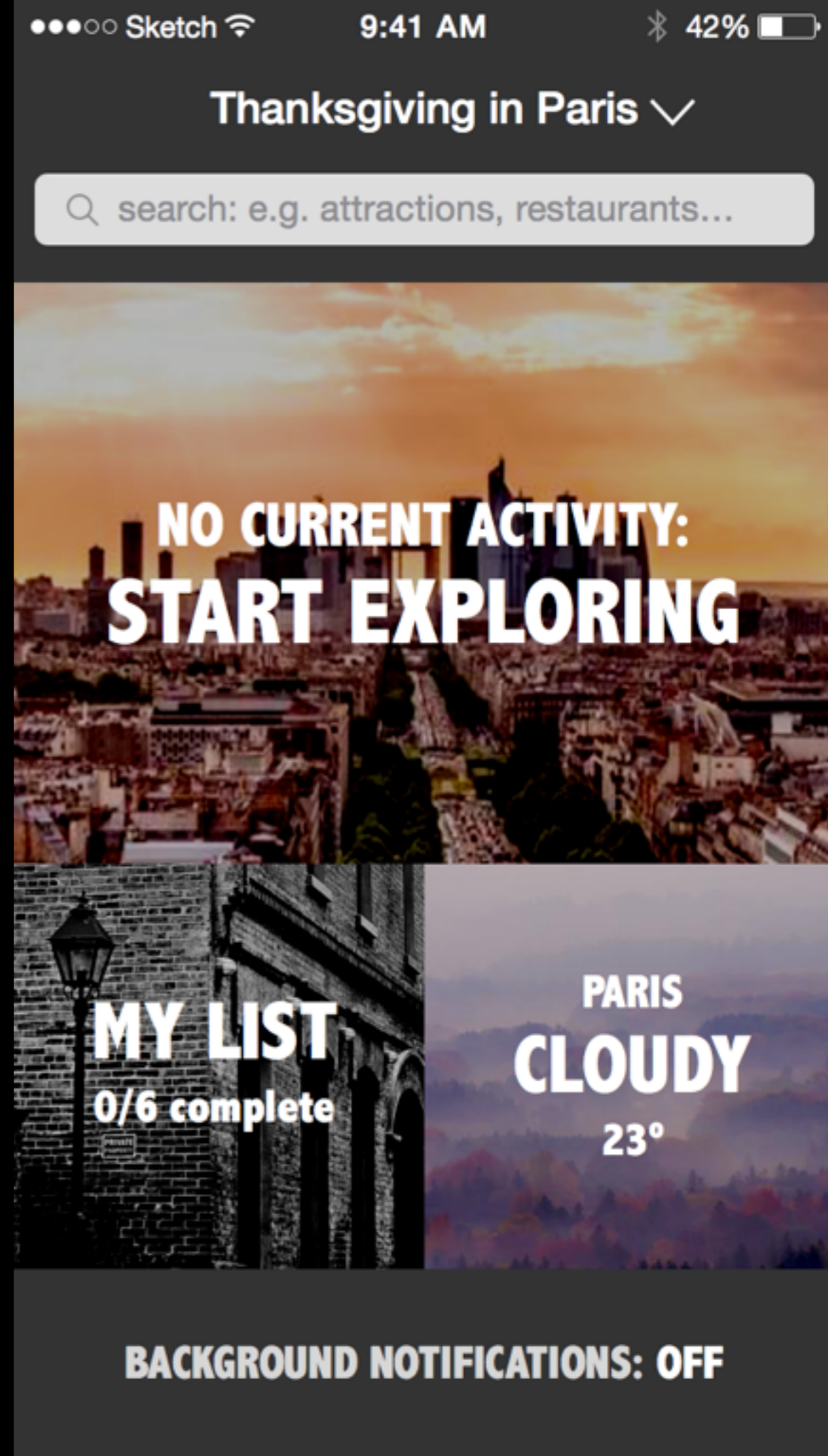
Don't know what to do? Need a little help choosing?

Discover

IMPLEMENTED FEATURES

Task 1: Recording the Information

- Implemented a TripAdvisor Scraper
- Implemented a search function from our Home Page to add new recommendations
- Implemented the add function, which allows users to add recommendations found through search



UNIMPLEMENTED FEATURES

How to finish: each task builds on the previous one. Build in order of task.

Task 2: Organizing and Viewing Data

- Making MyList interactive
- Each entry has quickly-viewable information
- Each entry can be clicked for more detail

Task 3: Interacting with App Recommendations

- Choose activities you want to do that day
- Get moment-to-moment recommendations based on proximity and daily preferences and time

FUTURE CHALLENGES

Controlling the DB : API or Server?

- Scraper limited so reliance on some hard-coded data for now

Developing an efficient recommendation engine

- Based on proximity, day-to-day preferences and similar lists
- Weights given to each activity should be fluid based on time of day (eg. restaurants recommended only at certain times)

Implementing a Social Aspect in the Background

- Difficult to set up a social implementation without central database
- Shared recommendations based on simple cross-section of two lists

VIDEO DEMO

Video Walkthrough

- User clicks My List
- Demo of search within My List
- User clicks add button in top right
- Demo of search within database
- User adds new item to list

Limitations

- No information linked until entire database is finalized
- UI not refined/finalized
- No help given to user

SUMMARY

The background of the slide is a photograph of the Eiffel Tower in Paris, France. The tower is the central focus, extending from the bottom center towards the top. The sky is a clear, bright blue. In the foreground, there are green trees and a grassy area with some people, though they are slightly out of focus. The overall scene is bright and clear.

took heuristic evaluation to heart and incorporated feedback where possible and needed

implementing in order of task

developing a working recommendation engine that incorporates subtle traveller preferences