Itinerary

An easy and fast way to plan your next trip

Group J

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Motivation

- Usability problems in Google maps
- Create an Itinerary for a friend who is visiting Raleigh
- Visit 6 places
- Find what problems people are facing
- 20 users
- Test group = Graduate students
- Post survey to know about the experience

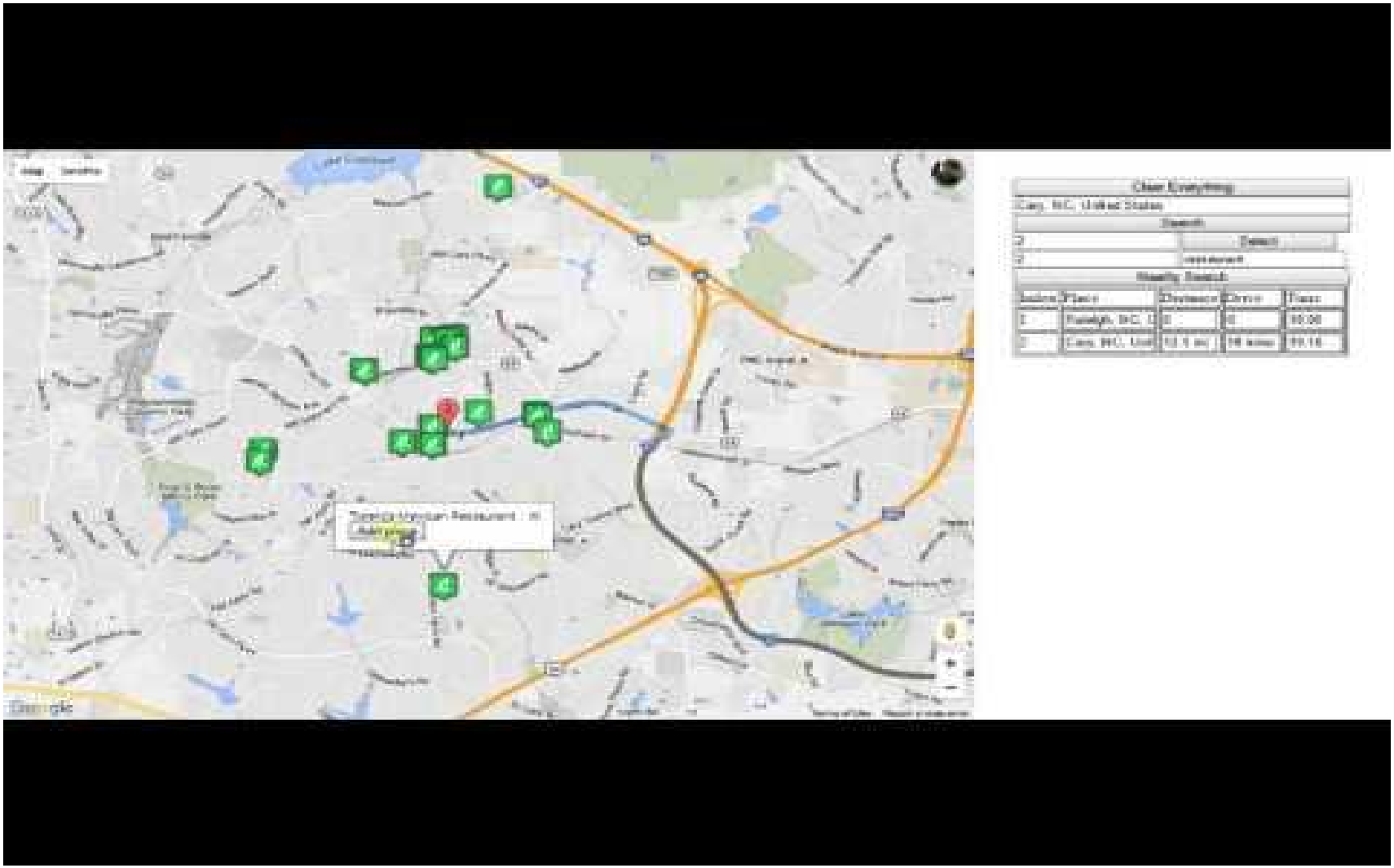
MOTIVATED!
Troll.me

Feb 1 results

- 15/20 used paper/other apps for calculating time
- 17/20 people didn’t use the Nearby feature
- 18/20 people had trouble finding parking
- 19/20 used multiple tabs of Maps or Google search

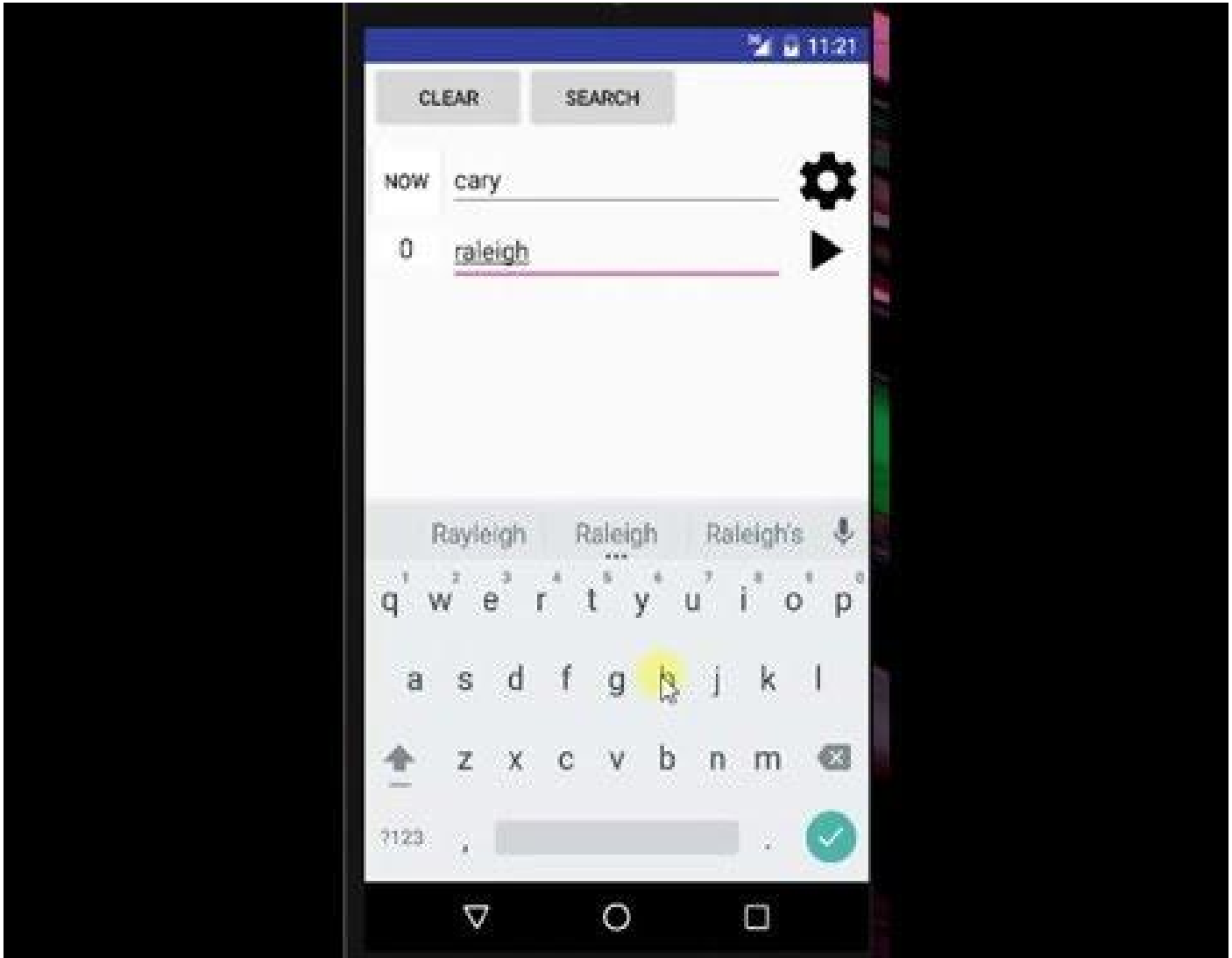
LET'S
DISCUSS
memegenerator.net

Solution 1



Solution 2

Solution 3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Compare our solutions

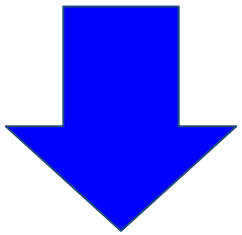
I KNOW NOTHING.
(i'm jon snow)

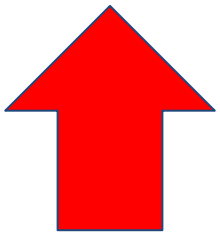
User Tests

- 60 users - 20 for each solution
- Control - 10 users
- Itinerary
- 5 places
- Brief tutorial
- Number of clicks, keypresses and total time
- Post survey: Rate out of 10
- Look and feel, Complexity, Functionalities

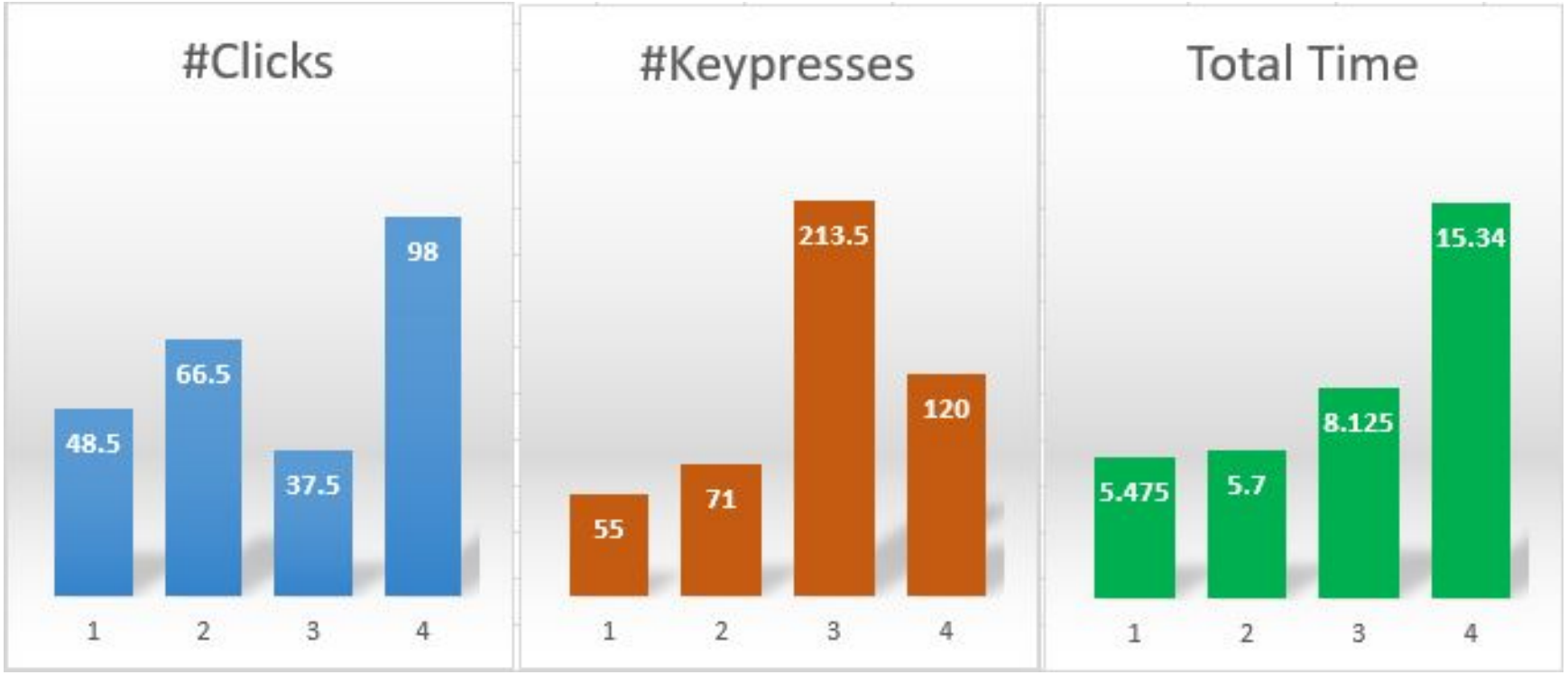
Criteria of comparison

1. **Less is better**
   i. #Clicks
   ii. #Keypresses
   iii. Total Time
2. **More is better**
   i. Look and feel
   ii. Complexity
   iii. Functionalities





Comparison of medians



Comparison of medians (continued)

BRACE YOURSELF
BEST SOLUTION
IS COMING

Analysis of Variance Test

- Conducted the test on 3 solutions
- #Clicks, #Keypresses and total time
- Difference was statistically significant
- Pairwise t-tests
- Solution 3 was significantly different from Soln 1 and 2
- Couldn’t find any difference between Soln 1 and 2

Multi-criteria Decision Making

1. Simple additive weighted method
2. Criteria = 6 (#clicks, look and feel, total time, …)
3. Assign weights to each criteria = 1
4. Alternatives = 3 (Soln 1, Soln 2, Soln 3)

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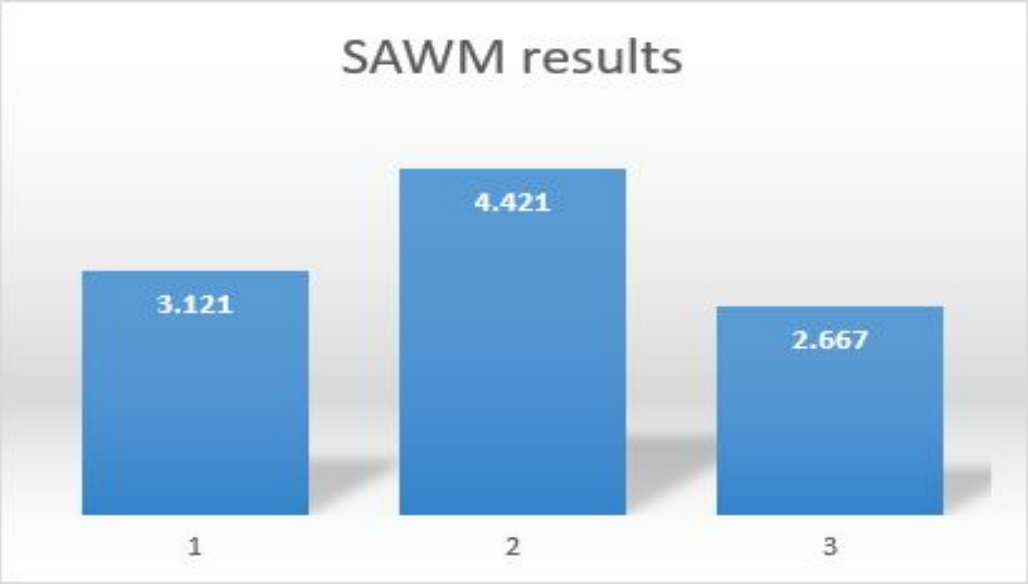

Future work

- Better UI
- Tutorial
- Nearby/auto-complete feature in Android

Thank you!