Mobile Platforms

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Why Mobile Platforms?

Emerging platform of choice for new applications

- As of July 2013: 1M apps available on Android Store
- 50 billion downloads from the store
What makes mobile different?

All apps must interact with a complex platform
- Programming challenge is not just on developing algorithms
- It’s about getting the platform to do what you want

Limited interactivity model
- Hard to enter text without making mistakes
- Interaction models based on short demonstrations can have a big impact
In this session

Interaction with a complex platform

- Can synthesis help us discover how the platform works?
- Can it help us find our way among a large set of potentially useful components?

Limited interactivity model

- Can you do query by demonstration without entering text?
- Can you scrape the web the same way?
- Can you automate interactions with a mobile webpage?