

QuiltView: a Crowd-Sourced Video Response System

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INTRODUCTION

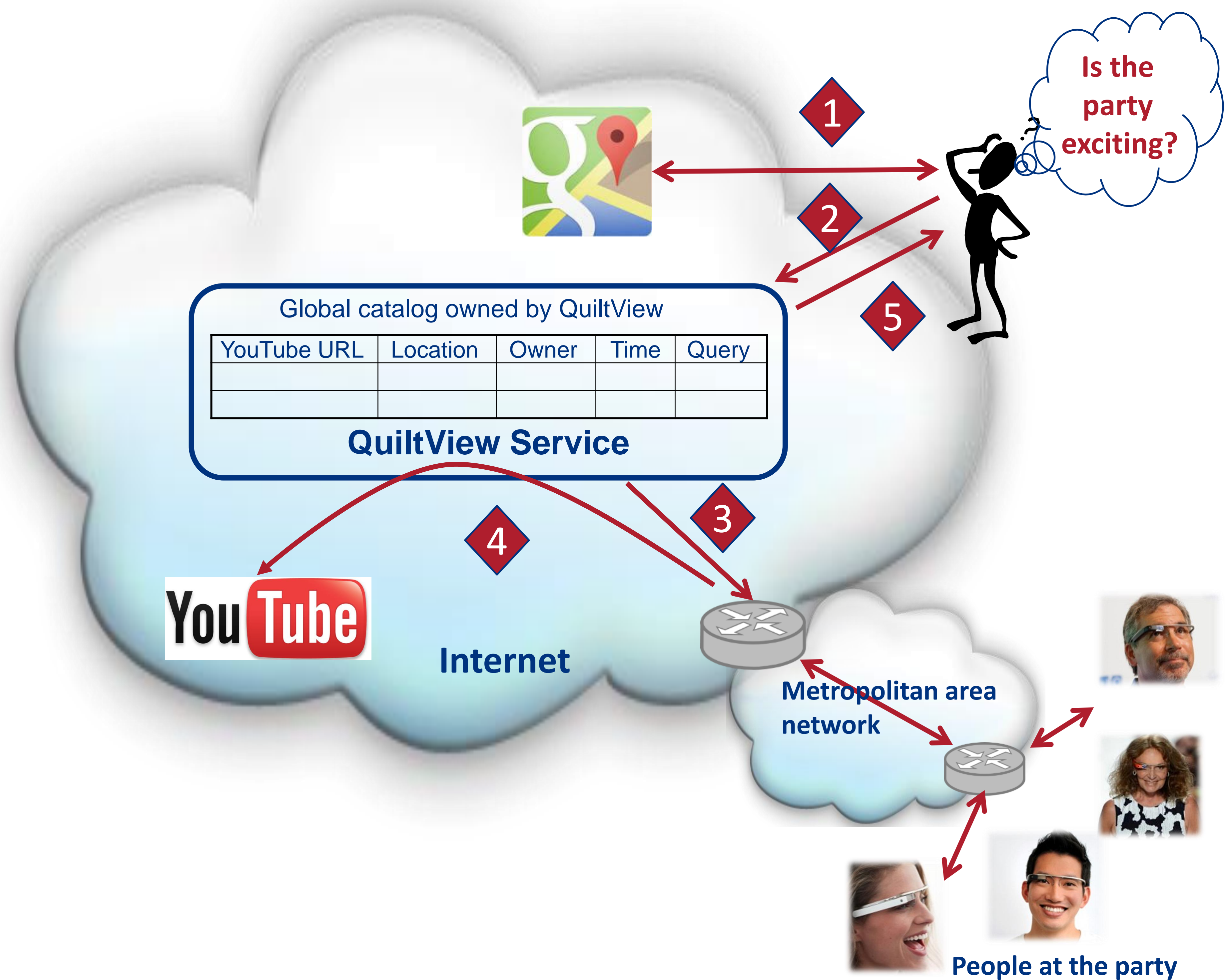
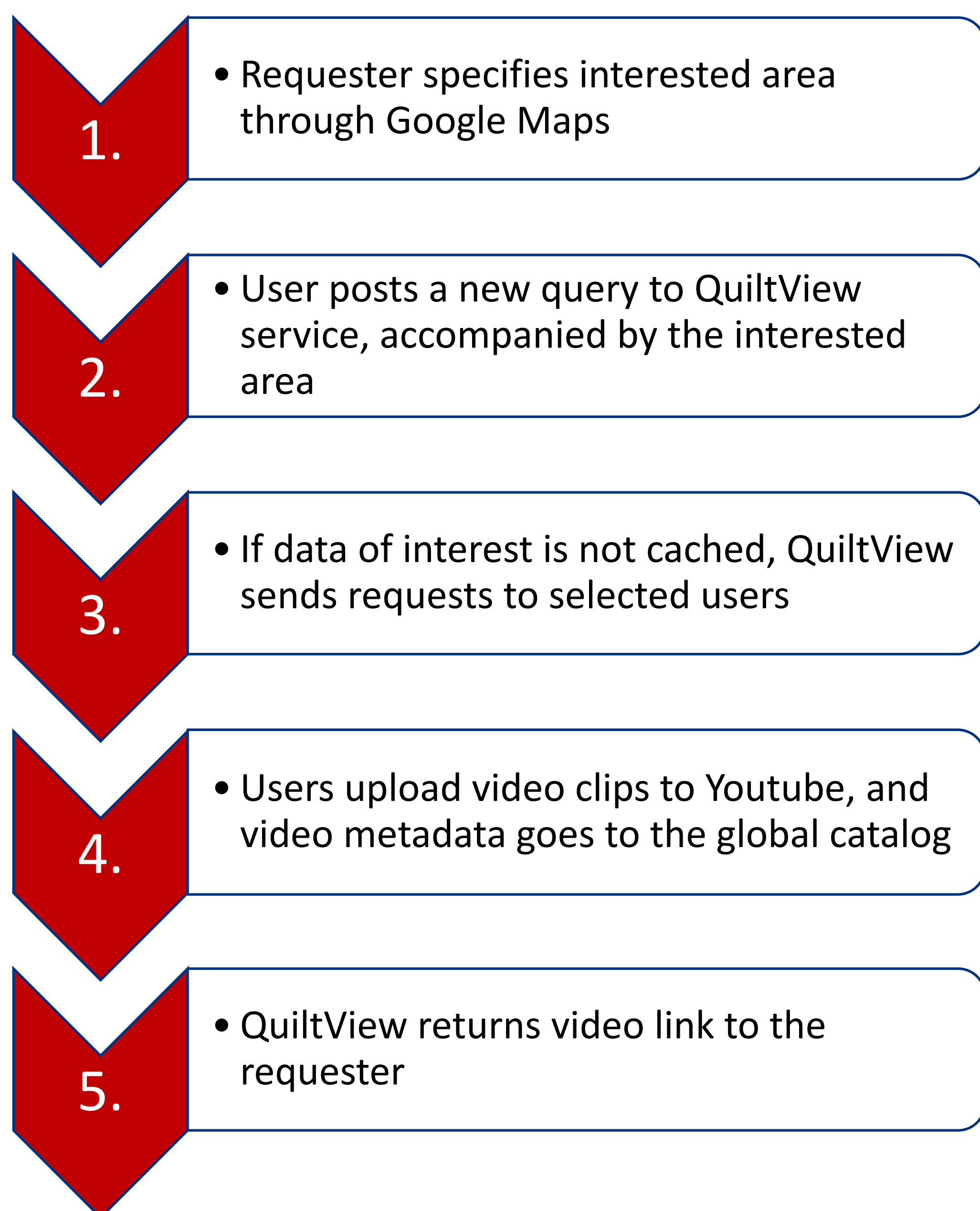
- QuiltView is a near-real-time crowd-sourced system in which users reply queries with **videos** through **Glass** with only **one touch**.



- Key idea: Simple queries, deep answers**
 - "If a picture is worth a thousand words, then a video is worth a million"
 - Replying raw data may be better
 - Different personal taste
 - Requester may have valuable context not available to crowd

- Micro Interactions**
 - Two second rule - "Anything that takes you more than two seconds or longer to accomplish, needs a good reason to be done. Anything that takes significantly less you will do without a second thought."
 - Only one-touch video reply through Glass is less than two seconds

SYSTEM ARCHITECTURE



USE CASES

- Traffic Condition Check
- Missing Child
- Time Machine
- Real-time Queue View
- Free Food Finder
- Scavenger Hunt
- Emergency



CHALLENGES

- How to avoid overwhelming users with queries?
 - result caching ("similar" queries within a short time)
 - deliver queries only to subset of users (random sample)
 - preference settings (e.g. topics)
- Incentive policy
- User privacy