

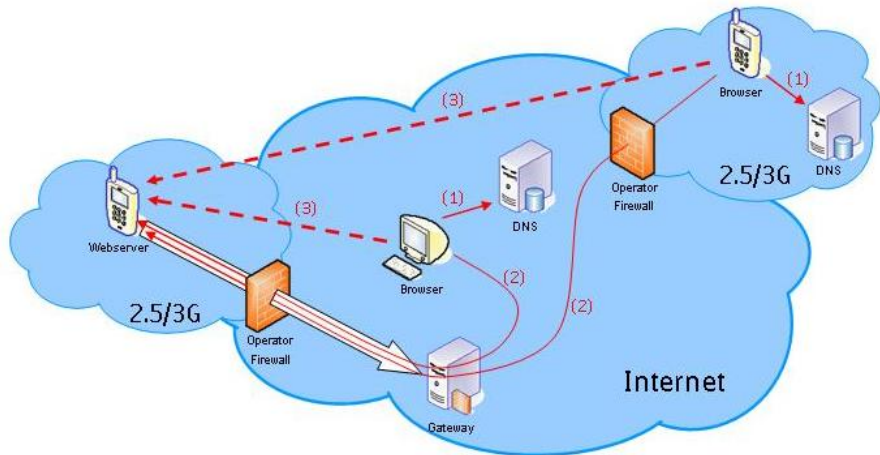
# Mobile Google - Mobile web search

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- ▶ "The mobile phone becomes a full member of the web"
  - ▶ Imagine millions of accessible web servers running in millions of mobile phones.

# Overview of the system



# Challenges - How to search for data?

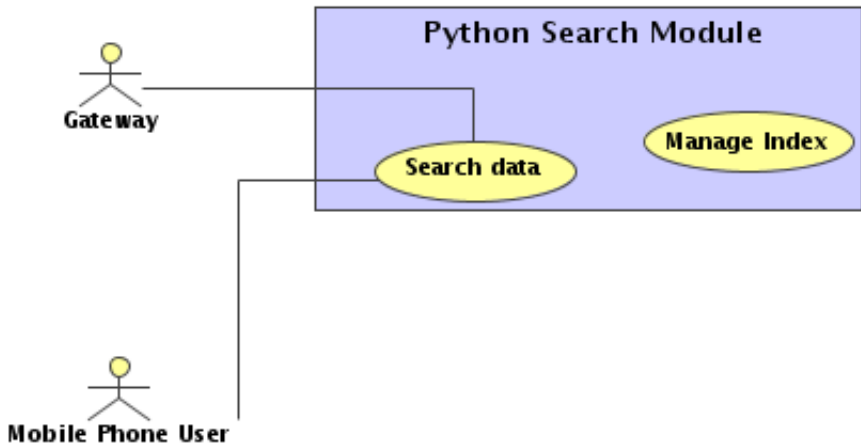
Major concerns identified:

- ▶ Availability - Mobile phones can run out of battery; can be switched off
- ▶ Scalability - The system has to perform well with an elevated number of devices
- ▶ Efficiency/Performance - Battery consumption; Efficient search
- ▶ Website context - Changes constantly and may affect the content

# Purpose of this work

- ▶ I am going to work on this problem for 5 months
- ▶ Study how to solve the problem presented and implement a prototype
- ▶ Currently I am studying different architectural Models for the system

# Prototype use case diagram



- ▶ Document-Distributed Architectures.
- ▶ Term-Distributed Architectures.

- ▶ Mobile Apache - a ported version of Apache to Symbian
- ▶ Mod\_Python - an Apache module that integrates the Python programming language into the Apache server



# Possible future work

- ▶ To run tests in order to build a model
- ▶ Evaluate the model precision
- ▶ Use the model to improve the system