



SM

impulse

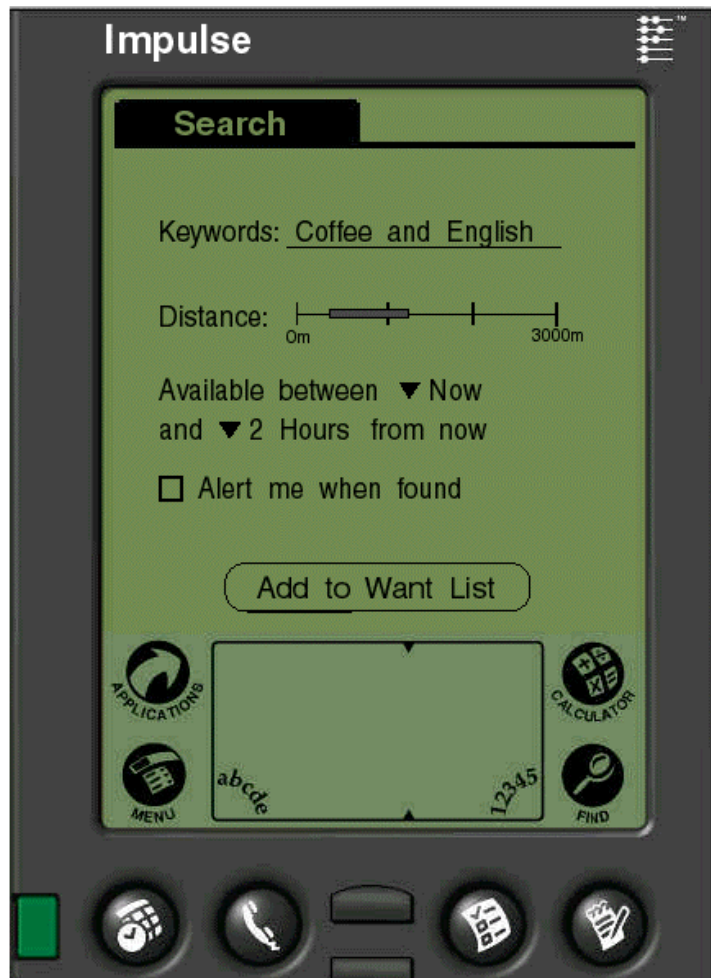
Location-based Agent Assistance

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Entering goals, or “Wants”

A User Agent is given explicit search parameters including keywords, search radius and time constraints



A profile contains several Wants

The user's current profile includes all the active Wants for which the agent is searching on the user's behalf



Search and notification

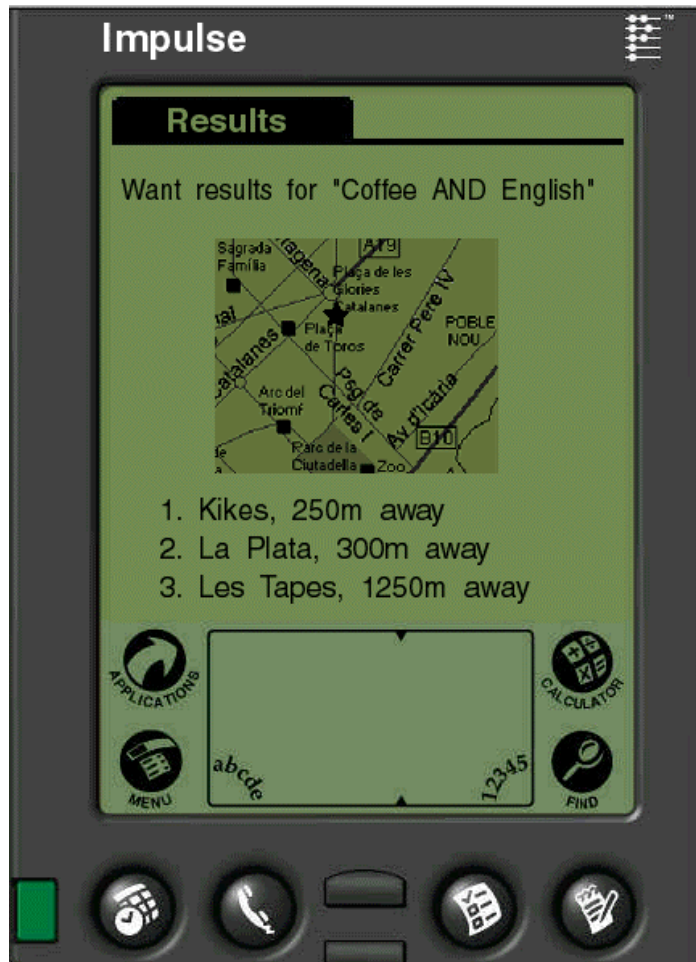


Wants are satisfied when Providers which match on physical location, keywords, and time constraints are identified by the User Agent



Agent presents options

The user is presented a selection of several Providers



Retrieve provider information



Detailed information supplied by a Provider is presented to the user, who may interactively explore in more detail



Research Issues

- **Electronic Exchanges**
 - open, distributed marketplaces
 - location-based agent interaction
 - platform for multi-agent interactions
 - tools for building ontologies (for products, services, expertise)
- **Agents as proxies for buyers and sellers**
 - profiling with privacy
 - explicit & implicitly gathered profile information
 - decision support, recommendations, inferencing
 - UI user-agent (control, understanding)

