

ePost-it: PDA

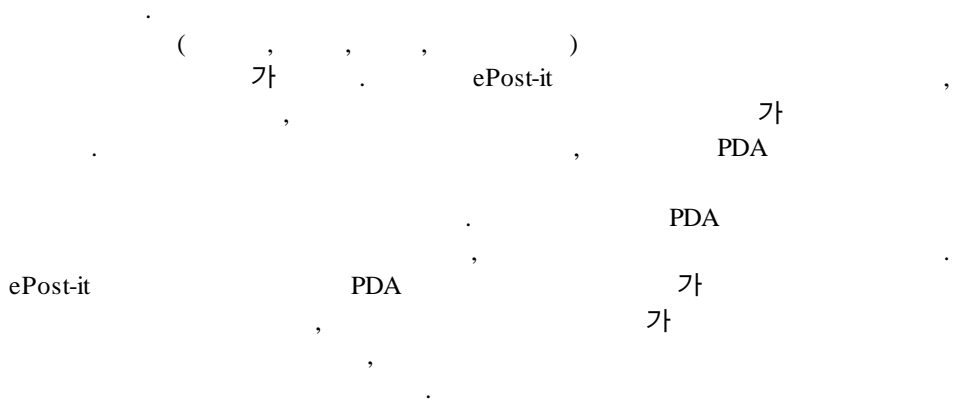
1

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U-VR

ePost-it: Information-Sharing System using PDA

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ePost-it - (post-it)



1.

가

- (post-it)

(white board),

가 - 가 . Sony NaviCam[6][9]

PDA

가 , ()

, GATECH

Cyberguid [7] PDA GPS

, Kent Univ. Stick-e Note[8]

, , , html, , ,

(Context)

[1][2][3]

(display) 가

가 HMD (Head Mounted Display)

See-through Glass

[6][9] ,

HMD See-through Glass

(outdoor)

[4][5], , GPS

Hand-Held

(indoor)

[6][7][8],

[7][8].

[10][11][12]

가 ,

ePost-it

ePost-it

HMD

가 HMD

가

PDA

가

, HMD

가

가

가

. Hand-held

가 가 ,

가

가

가 .

, ePost-it

(Infrared communication)

(bandwidth)

가

PDA

가

가 가

가

Hand-held

. 2

ePost-it

3

ePost-it

가

4

2

ALL

My Group

2. ePost-it:

ePost-it

가

ePost-it

PDA

PDA

(Message)

ePost-it

PDA

ePost-it

Windows

PDA

(TXT, DOC),

CE

Hand-Held

(WAV),

가

PDA

MP3

ASF

(Wireless LAN)

ePost-it

11Mbps

50m

ePost-it

2.1 ePost-it

가

ePost-it

가

ePost-it

PDA

ePost-it

(User)

ePost-it

(ePost-it Server)

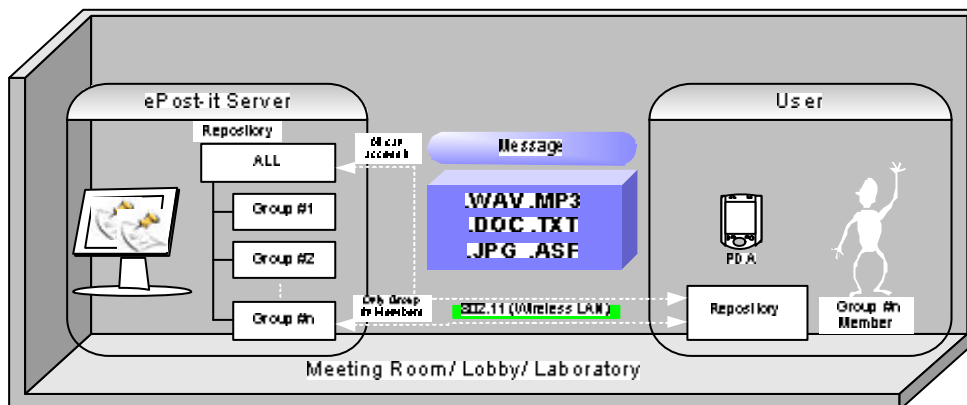
ePost-it

PDA

ePost-it

2

ePost-it Client

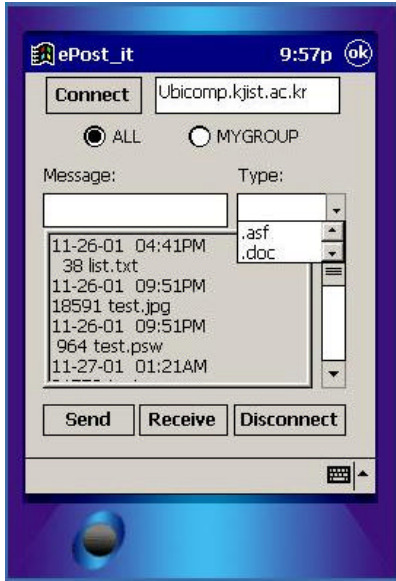


ALL

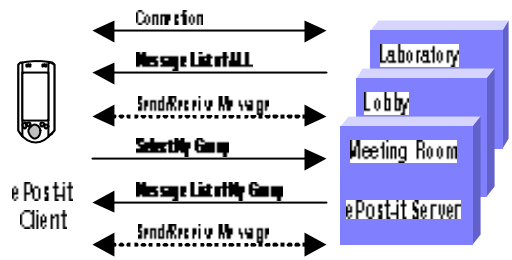
My Group

ePost-it

My Group
가



2. ePost-it Client



3. ePost-it

2.3

ePost-it

2

ePost-it

가

Ubicomp

, ALL

2.2

ePost-it

PDA

802.11

/

가

(

, ePost-it

PDA

,

)

ePost-it

, ePost-it

가

가

, ePost-it

URL

ALL

가

,

ePost-it

,

가

가

, RFID,

가 , ePost-it ,
 가 . ,

가

3. 가

ePost-it

- , ePost-it . ,

1. , - , ePost-it

		-	ePost-it
	- (O) - (X)	- (X) - (O)	- (O) - (O)
	- (O) - (O)	- (O) - (X)	- (O) - (O)
	- (X) - / (O)	- (X) - / (X)	- (O) - / (O)

가

가 가 .

가

가

가

가 ,

가 .

, ePost-it

, ePost-it

가

TXT, DOC, WAV,
 PDA

MP3, JPG, ASF

가

가 ,

PDA

가 .

4.

ePost-it . PDA
 , , ,
 ,
 가 .
 가 가 ePost-it PDA
 가
 , 가
 ,
 ePost-it .
 , PDA , , ,
 가
 ePost-it
 가 .
 가 50m
 가 . 가
 ePost-it
 가 10m Bluetooth ePost-it
 . , PDA
 HMD
 .
 가
 . AR
 (Augmented Reality) (Smart
 Environment) Environment)
 가 .

[1] www.teco.edu/hcscw/sub/ 115.Kirkley/ 115 .kirkley.html, E. Kirkley, Annie Lang, Jennifer M. Bauer and Martin Siegel, *Wisdom*

Tools Group.” *WorldBoard: Supporting Collaboration with Just-in-Place Information 99Sonny*”, *Indiana University*

[2] B. Rhodes and P. Maes, "Just-in-time information retrieval agents," *IBM Systems Journal special issue on the MIT Media Lab.*, Vol 39, No. 3&4, pp. 685-704, 2000.

[3] J. C. Spohrer, “Information in Places”, *IBM Systems Journal*, Vol 38, No. 4, pp.508-530, 1999.

[4] Thad Starner, Steve Mann, Bradley Rhodes, Jeffrey Levine, Jennifer Healey, Dana Kirsch, Rosalind W. Picard, and Alex Pentland, “Arumented Reality Through Wearable Computing”, M.I.T Media Laboratory Perceptual Computing Section Technical Report No. 397

[5] J.Rekimoto,Y.Ayatsuka,and K.Hayashi,“Augmentable Reality:Situated Communication Through Physical and Digital Spaces,”*Wearable Computers:The Second InternationalSymposium on Wearable Computers* ,Pittsburgh,PA (October 19 .20,1998),pp.68 .75.

[6] J.Rekimoto,“NaviCam:A Magnifying Glass Approach to Augmented Reality,”*MIT Presence* (August 1997), see <http://mitpress.mit.edu/journal-issue-abstracts.tcl?issn=10547460&volume=6 issue=4>
USA,

[7] Long, S., et al. Rapid Prototyping of Mobile Context-aware Applications: The Cyberguide Case Study. 2nd ACM International Conference on Mobile Computing and Networking (MobiCom'96) 1996 November 1—12, 1996.

[8] Pascoe, J, “The Stick-e Note Architecture: Extending the Interface Beyond the User”, *International Conference on Intelligent User Interfaces*, Orlando, Florida, USA. ACM. Pp. 261-264

[9] Jun rekimoto and Katashi Nagao, “ The World through the Computer: Computer Augmented Interaction with Real World Environments”, *ACM Symposium on UIST*, Vol. 14, No. 17, pp29-36, Nov 1995.

[10] Armando Fox, Brad Johanson, Pat Hanrahan, and Terry windgrad, “Integration Information Appliances into a Interactive Workspace”, *IEEE CG&A*, May/June 2000

[11] Room With A View (RWAV),
<http://www.almaden.ibm.com/cs/user/rwav/rwav.html>.

[12] Cave Automatic Virtual Environment,
<http://www.pyramidsystems.com/CAVE.html>.