

ultimate friendster

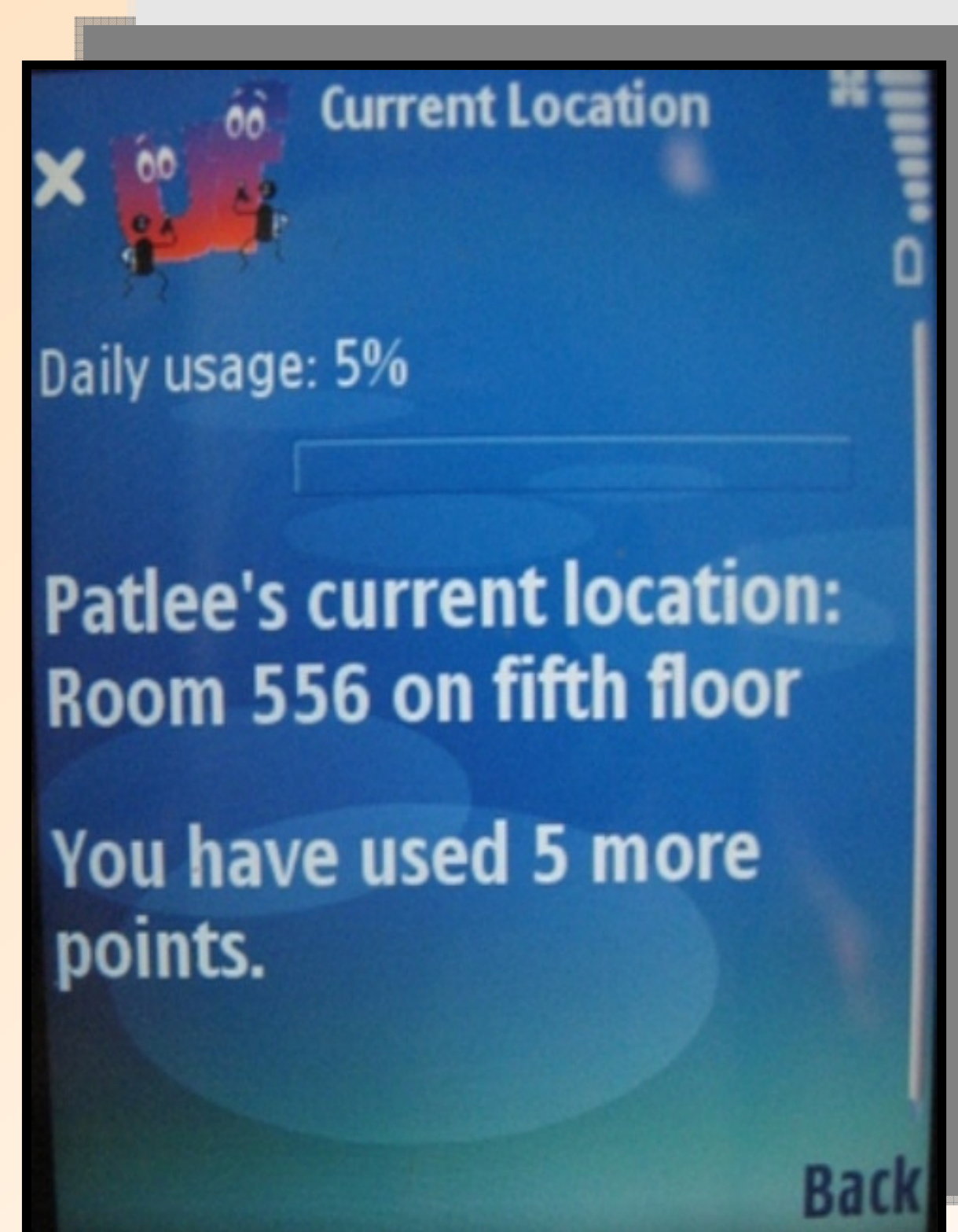
(An RFID Friend Tracking Device)

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Ultimate Friendster is a **secure friend-locating**

system that allows users to track:

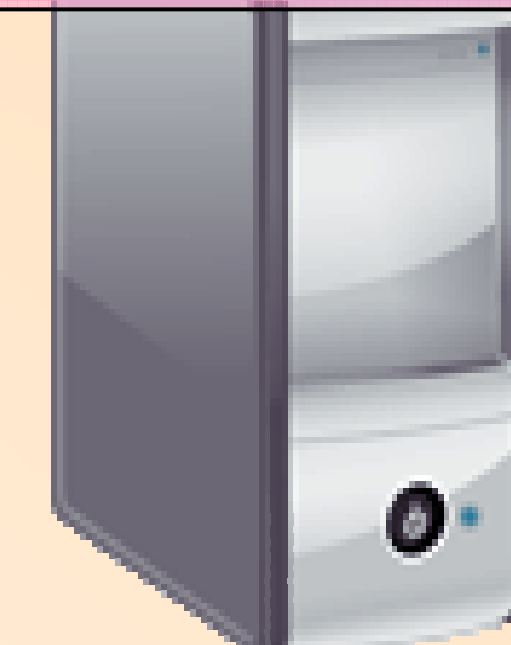
- * Current location
- * Past location
- * Location history



Phone Application



Application Server



Query / Response

Query/
Response



Ecosystem Database



Application Database

Live Query Stream

Main Idea for implementation

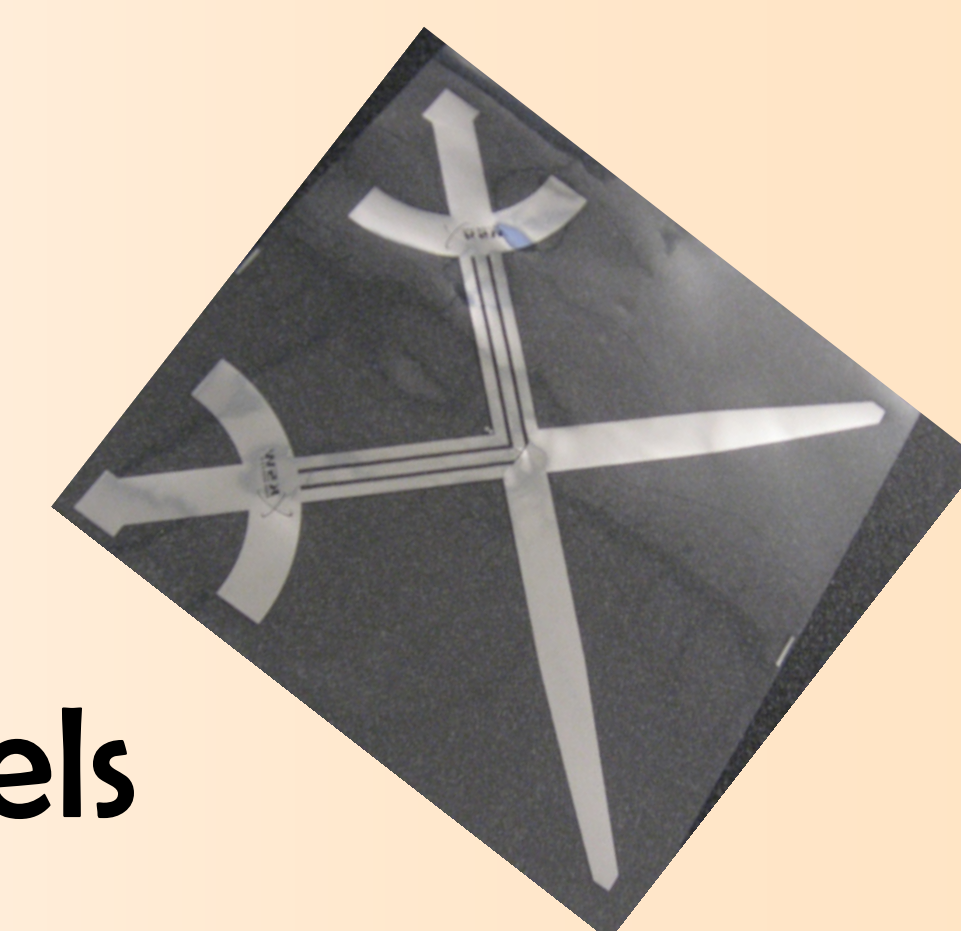
- * RFID tags can be read from several meters away
- * RFID readers installed throughout the building read the tags and records it in the RFID Ecosystem database
- * The system retrieves location from Ecosystem



RFID Reader

Current Features

- * login
- * registration
- * add/delete friends
- * set friends privacy levels
- * who viewed me
- * track friends
- * display user/friends' location history



Application Database

eventID	tagID	location	startTime	endTime
6	3723881680560113183	2nd floor 286 west	1180053034130795	1180053034130795
7	3723881680560113183	2nd floor 284 west	1180053032716343	1180053032716343
8	3723881680560113183	2nd floor 280 west	1180053042230303	1180053042230303
9	3723881680560113183	5th floor 502 southwest	118004417591939	118004417591939
10	3723881680560113183	5th floor 506 southwest	118004422589373	118004422589373
11	3723881680560113183	5th floor 506 southwest	118004422671753	118004422671753
12	3723881680560113183	5th floor 510 south	118004423149781	118004423149781
13	3723881680560113183	5th floor 514 south	118004438125000	118004438125000
14	3723881680560113183	5th floor 518 south	118004443229582	118004443229582
15	3723881680560113183	5th floor 518 south	118004443229582	118004443229582
16	3723881680560113183	5th floor grad lounge west	118004444265821	118004444265821
17	3723881680560113183	5th floor 518 south	118004445263820	118004445263820
18	3723881680560113183	5th floor grad lounge west	118004447938229	118004447938229
19	3723881680560113183	5th floor 530 northeast	118004448978443	118004448978443
20	3723881680560113183	5th floor 530 east	118004454037688	118004454037688
21	3723881680560113183	5th floor 540 north	118004459717648	118004459717648
22	3723881680560113183	5th floor 542 north	118004464074748	118004464074748
23	3723881680560113183	5th floor 544 north	118004470158730	118004470158730
24	3723881680560113183	5th floor 548 north	118004473937576	118004473937576
25	3723881680560113183	5th floor 550 north	118004481174114	118004481174114

Products that track current location

- * Mountain watch (using active tags)
- * Mommy I'm here!
- * Ion-kids



Extra features of our system

- * Past Location
- * Location History
- * Protect Privacy

