

*, *, *

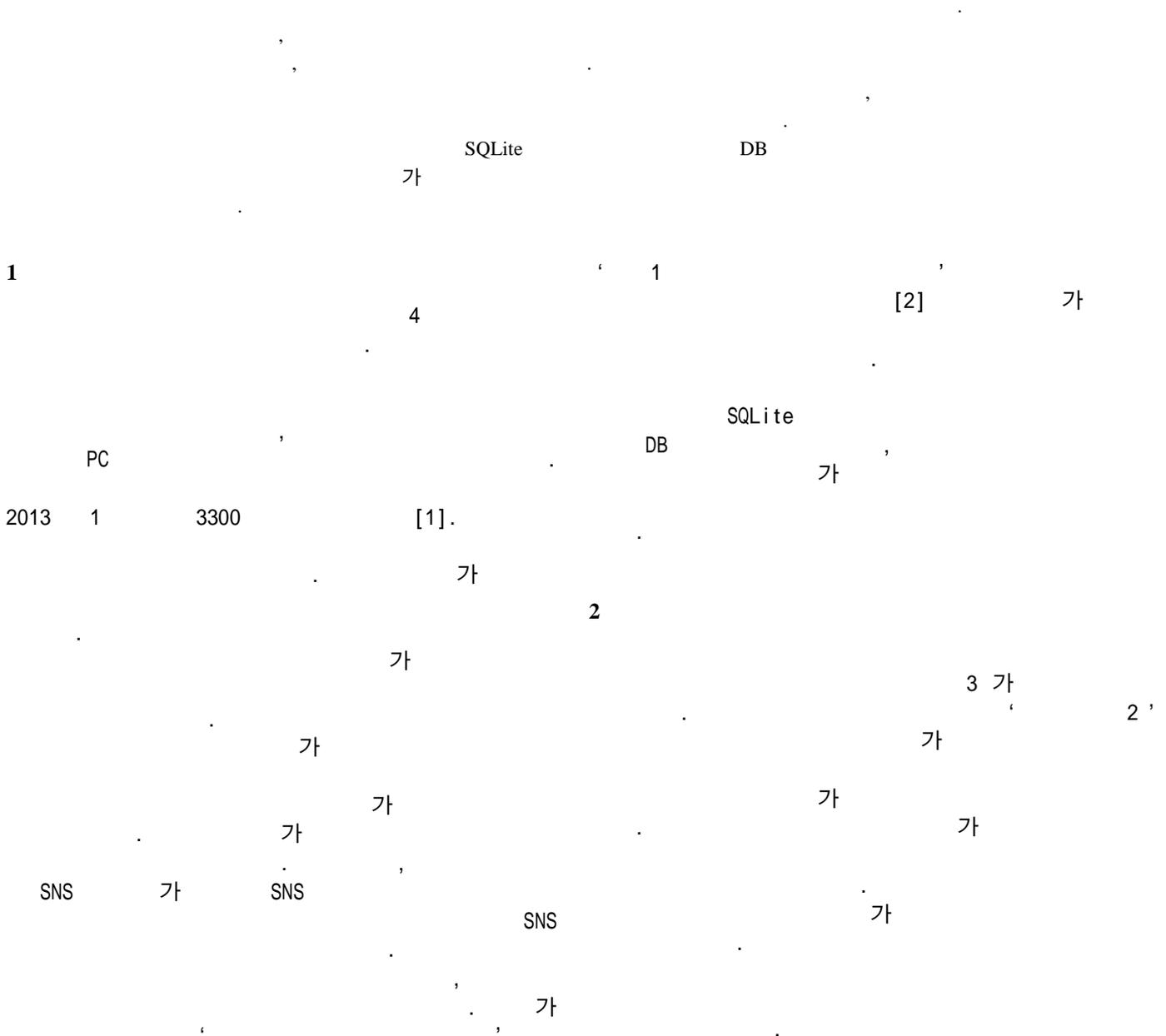
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A Filtering System for Messenger and Communication Mobile Application

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DB 가

DB

DB

DB

SQLite
SQLite

< 1>

가
[3].

< 1>

| | |
|-------------|------------------------|
| OS | Windows 7 Enterprise K |
| JDK | 1.5 |
| Android SDK | 4.2.2 |
| Eclipse | Helios |

가

[4].

가

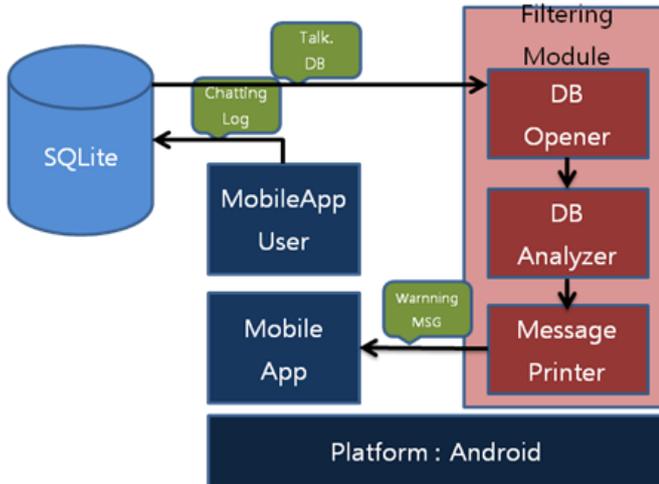
3

3.1

(1)

(1)

3



(1)

가

DB

3.2

3.2.1 DBOpener

DBOpener DB

DB 가

DB

DB 가 Asset

AssetManager

DB

DB 가

(2)

가

DB

DB 가

DB

가

```

1: if DBFile is ok then return DBFile
2: end if
3: else search DBFile from asset
4:   if DBFile from asset is okay
5:     Read Original DBFile
6:     Move DBFile into tempFile
7:     Write tempFile into NewDBFile
8:     Save NewDBFile into Device
9:   end if
10: end else
    
```

(2) DBOpener

DB 가

DB

DB

DB

3.2.2 DBAnalyzer

DBAnalyzer DBOpener DB

DB
Cursor

pseudocode (3)

```

1: Define query to extract certain keywords
2: Make Cursor object which can contain Partial DB
3: Execute query on the original DB
4: Save result into the Cursor
5: Declare array result can contain integer
6: for (i = 0; i < Cursor.numberOfchattingrooms; i++) do
7:     get number of slang of each chattingrooms from Cursor
8:     Save it into result array[i]
9: end for
10: Return result
    
```

(3) DBAnalyzer

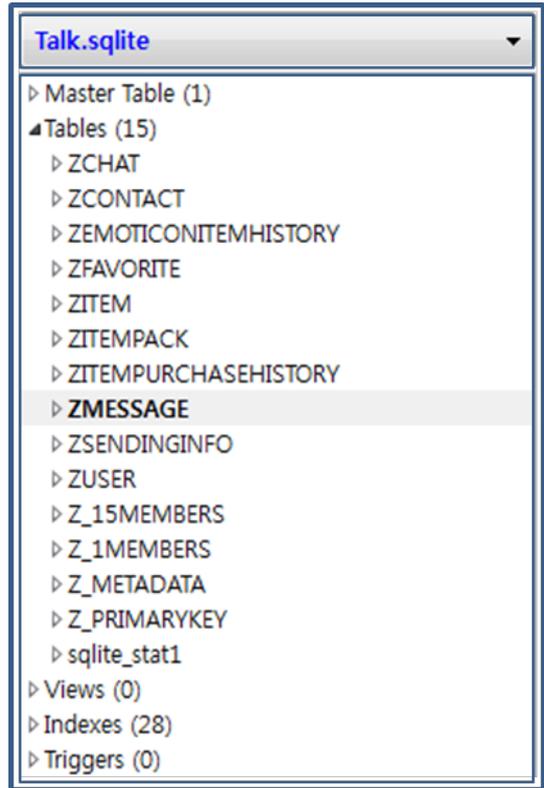
3.3 DB

DB (4) ' , DB

ZMESSAGE (5)

ZMESSAGE 38
primary key Z_PK 가
가 ZSENTAT 가
ZMESSAGE 가

가 가 가 가



(4) ' , DB

| Column ID | Name | Type | Not Null | Default Value | Primary Key |
|-----------|-------------|-----------|----------|---------------|-------------|
| 0 | Z_PK | INTEGER | 0 | null | 1 |
| 1 | Z_ENT | INTEGER | 0 | null | 0 |
| 2 | Z_OPT | INTEGER | 0 | null | 0 |
| 3 | ZCHATID | INTEGER | 0 | null | 0 |
| 25 | ZREADAT | TIMESTAMP | 0 | null | 0 |
| 26 | ZSENTAT | TIMESTAMP | 0 | null | 0 |
| 27 | ZATTACHMENT | VARCHAR | 0 | null | 0 |
| 28 | ZMESSAGE | VARCHAR | 0 | null | 0 |

(5)

4 가

' ZCHATID '

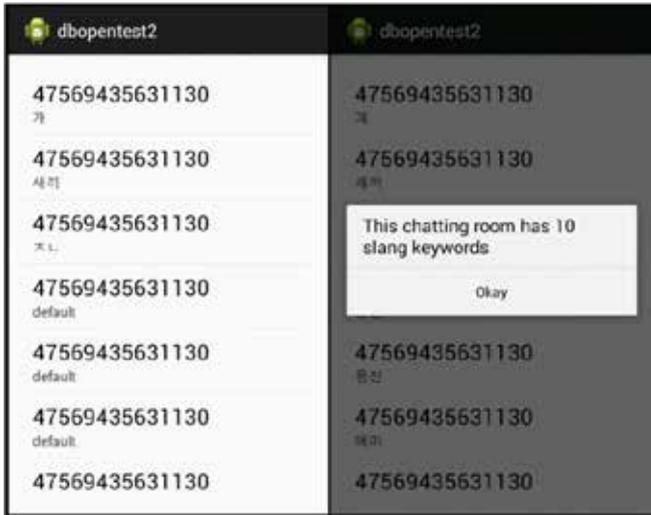
가

MessagePrinter

DBAnalyzer
DB

가

가 10



(6)

가

DB

가

가

AS

가

가

DB

가

5

iOS

가

DB

SQLite

가

DB

가

DB

가

[1] (2013),
(2013 1)

[2] 가 (2012), 1
(2013~2015)

[3] (2006). SVM
, : 가
, 33(2), p.261-262.

[4] (2009), : 가
,
36(2), p.195-197.