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2023064128

2023064129

SRS

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<b>1</b>		<b>2</b>
1.1	.....	2
1.2	.....	2
1.3	.....	2
1.4	.....	2
<b>2</b>		<b>3</b>
2.1	.....	3
2.2	.....	3
2.2.1	.....	3
2.2.2	.....	3
2.3	.....	3
2.4	.....	4
2.5	.....	4
<b>3</b>		<b>5</b>
3.1	.....	5
3.1.1	.....	5
3.1.2	1 Markdown .....	5
3.1.3	2 .....	7
3.2	.....	9
3.2.1	.....	9
3.2.2	.....	10
3.2.3	.....	11
3.2.4	.....	12
3.2.5	.....	12
3.2.6	.....	13
<b>4</b>		<b>13</b>
4.1	.....	13
4.1.1	note .....	13
4.1.2	data .....	14
4.2	.....	14

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<b>5</b>		<b>14</b>
5.1	.	14
5.1.1	.	14
5.1.2	.	15
5.1.3	.	15
5.2	.	16
5.2.1	Android	16
5.2.2	.	16
5.3	.	16
<b>6</b>		<b>16</b>
6.1	.	16
6.2	.	16
6.3	.	17
6.4	.	17
<b>7</b>		<b>17</b>
7.1	.	17
7.1.1	Markdown	17
7.1.2	.	17
7.1.3	.	18
7.2	.	18
7.3	.	18
7.4	.	18
7.5	.	18
<b>8</b>		<b>19</b>
8.1	.	19
8.2	.	19

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# 1

## 1.1

Smart Note

- 
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- 
- 

## 1.2

Smart Note

Markdown

## 1.3

SRS	Software Requirements Specification
Markdown	
WYSIWYG	What You See Is What You Get
MIME	Multipurpose Internet Mail Extensions
UI	User Interface
API	Application Programming Interface
SQLite	
ContentProvider	Android

## 1.4

1. IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications
2. GB/T 9385-2008
3. (MiCode Notes) <https://github.com/MiCode/Notes>

- 
4. Android    <https://developer.android.com/>
  5. Markdown   <https://commonmark.org/>

## 2

### 2.1

Markdown

### 2.2

#### 2.2.1

- 1.
- 2.
- 3.
4.    Google Tasks
- 5.
- 6.
- 7.

#### 2.2.2

1. **Markdown**            Markdown            /
2.                    Markdown    HTML

### 2.3

- 
- 
- 
-

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## 2.4

- ARMv7
  - 512MB RAM
  - 50MB
  - 480×800
- 
- Android 4.0 API Level 14
  - SQLite 3.0
  - Android Support Library Markwon Markdown

## 2.5

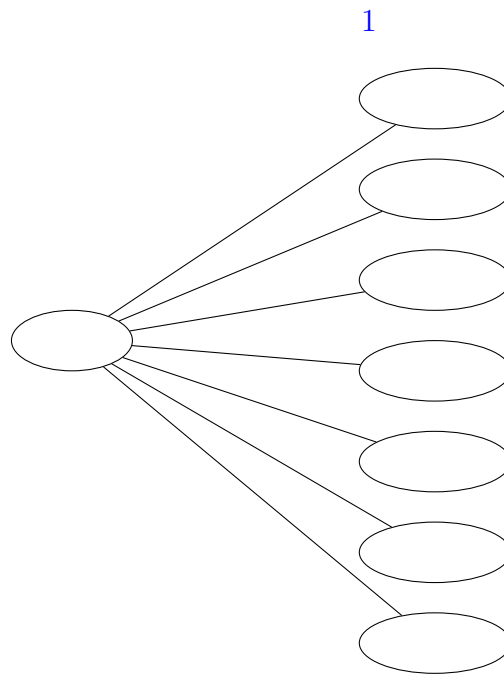
- Java
  - Android 4.0
  - Android
  - 
  - 20MB
- 
- Google Play Services
  - Android
  - Markdown      Markdown
  -

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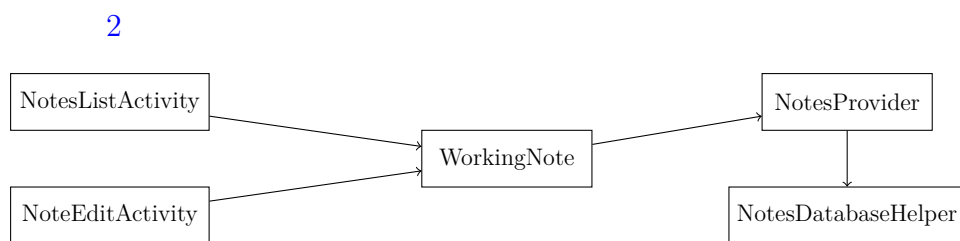
# 3

## 3.1

### 3.1.1



1:



2:

### 3.1.2 1 Markdown

Markdown

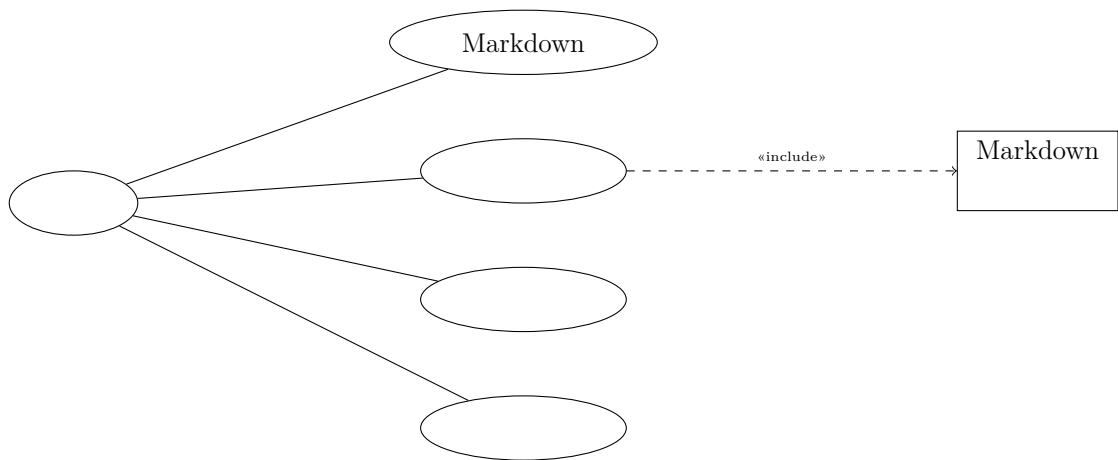
Markdown

- Markdown
-



- 
- Markdown
- 
- 1.        Markdown
- 2.        ”   ”
- 3.        Markdown
- 4.
- 5.        ”   ”
- 6.
- 7.        Markdown
- 
- 3a.       Markdown

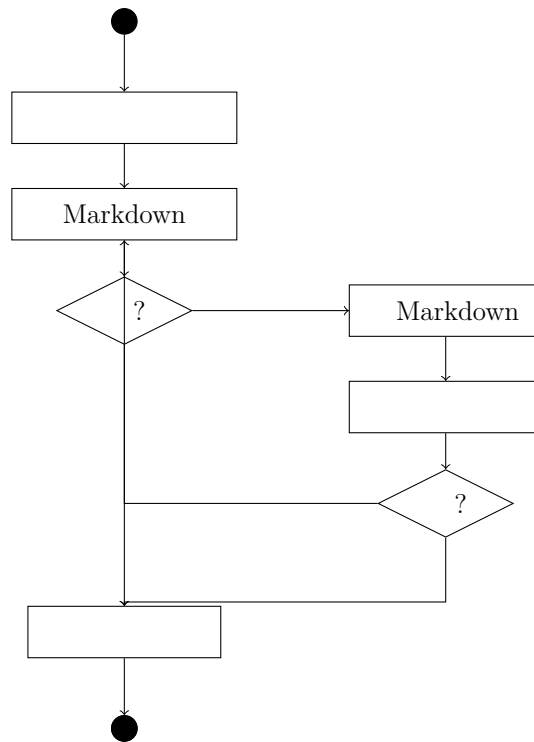
### 3 Markdown



3: Markdown

- 4        Markdown
- 5        Markdown
- 6
- 7        Markdown

- Markdown        500ms        10000
- 200ms



4: Markdown

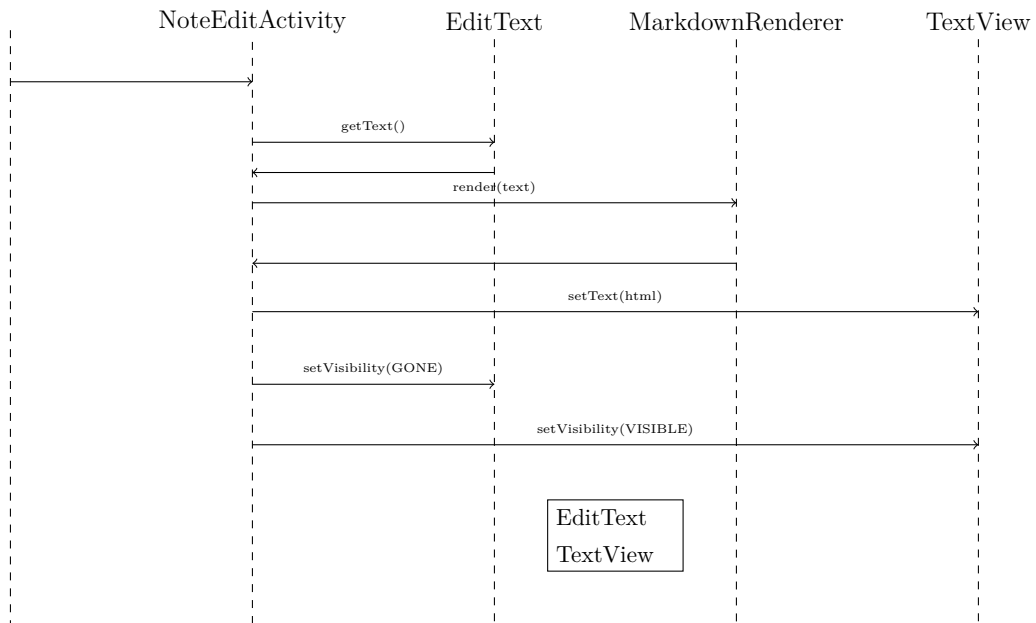
- Markdown data content
- MIME\_TYPE "text/note"
- HTML

### 3.1.3 2

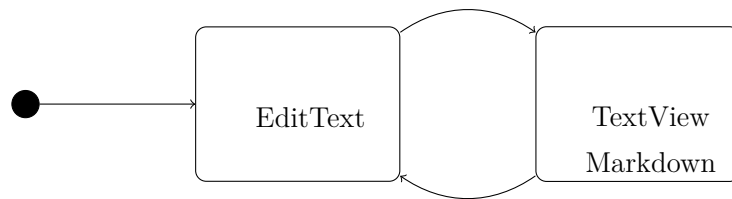
Markdown HTML Android

- 
- 
- 
- 
- 

1.



## 5: Markdown



6:

2. /Markdown/HTML

3.

4.

5. Android Intent

6.

7.

•

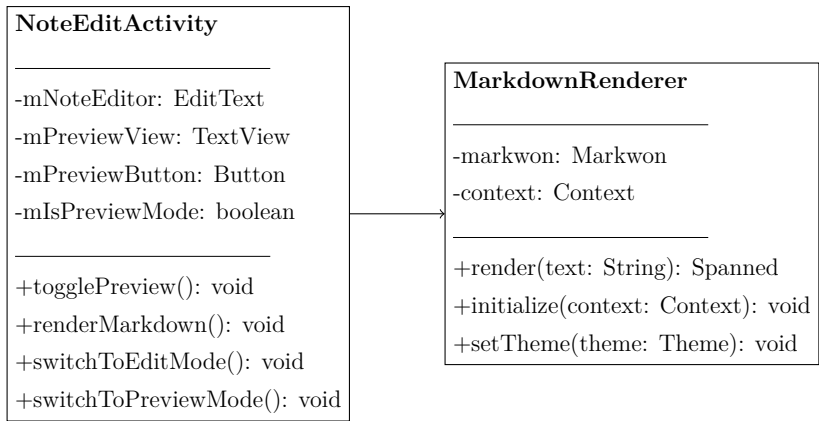
4a. HTML Markdown HTML CSS

6a.

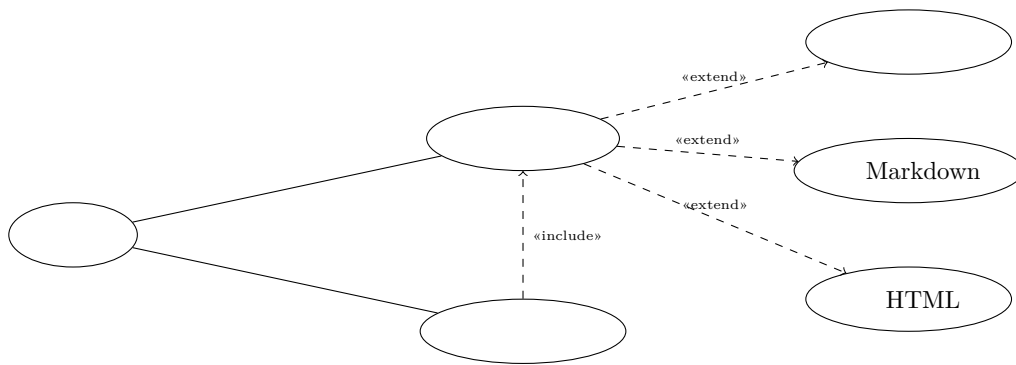
8

9

10 HTML



## 7: Markdown



8:

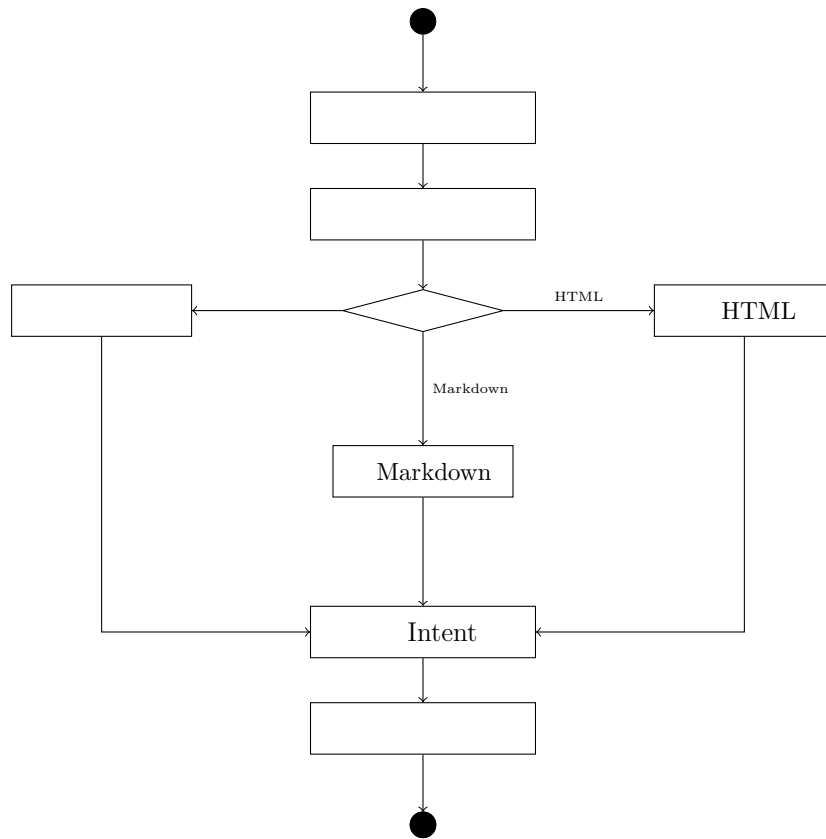
11

- 1
- HTML CSS
- 
- HTML HTML5
- Markdown CommonMark

## 3.2

### 3.2.1

- 
- 1



9:

- 1
- 500ms
- Markdown 500ms
- 1

•

–

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– APK

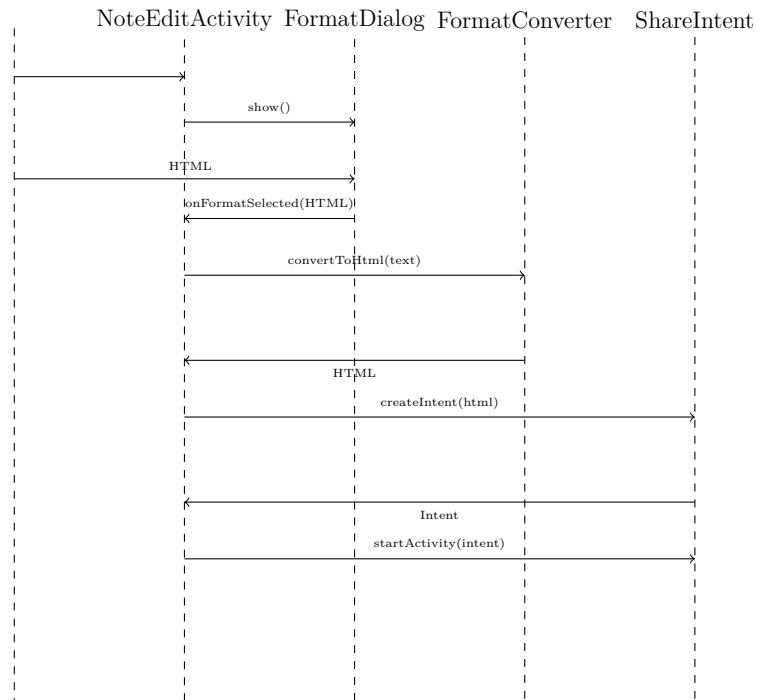
•

•

### 3.2.2

• 99.9%

•



## 10: HTML

- NotesProvider

- 

- 

- 

- Markdown

- 

- 

### 3.2.3

- 

- Android

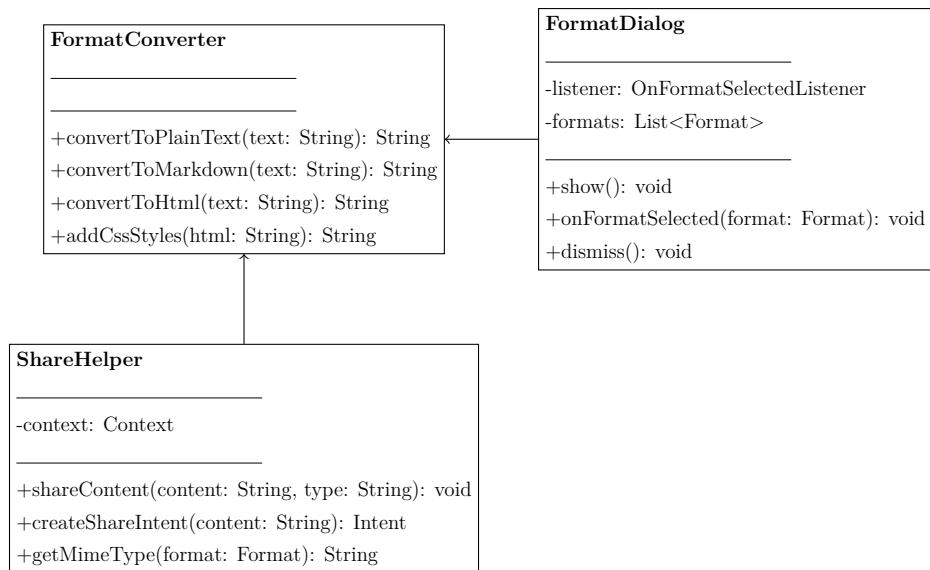
- 

- 

- 

- ContentProvider

- Markdown



11:

— PDF

•

— UI

—

### 3.2.4

•

—

— HTTPS

— Android KeyStore

•

—

—

### 3.2.5

• Android 4.0 API Level 14+

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•

• Material Design Android

**3.2.6**

- - 
  - 
  -
- - Android UI
  - 
  -
- - 
  - 
  -

**4**

**4.1**

SQLite

**4.1.1 note**

_id	INTEGER	PRIMARY KEY	
type	INTEGER	NOT NULL	/
created_date	INTEGER	NOT NULL	Unix
modified_date	INTEGER	NOT NULL	Unix



---

sync_id	INTEGER		ID
parent_id	INTEGER		ID
alerted_date	INTEGER		

#### 4.1.2 data

_id	INTEGER	PRIMARY KEY	
mime_type	TEXT	NOT NULL	text/note
note_id	INTEGER	NOT NULL	ID
content	TEXT	NOT NULL	Markdown
data1	INTEGER		1
data2	INTEGER		2
data3	TEXT		3

## 4.2

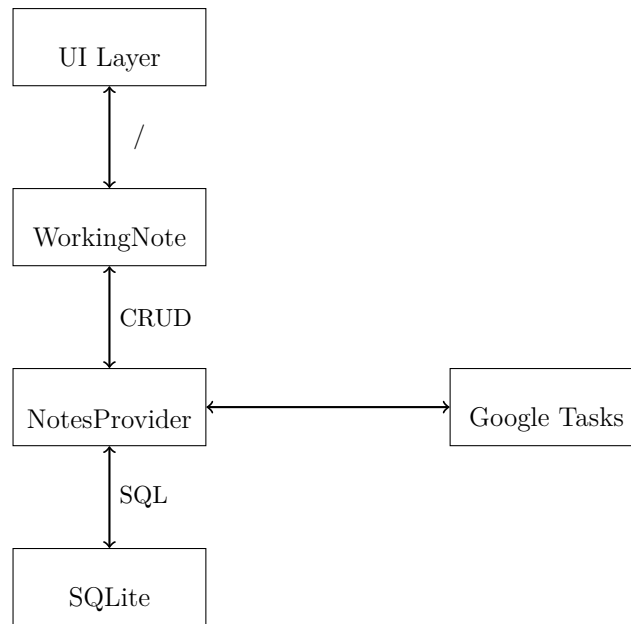
12

## 5

### 5.1

#### 5.1.1

- 
- 
- 
-



12:

### 5.1.2

- EditText
- TextView
- - /
  - 
  - 
  -
- Markdown

### 5.1.3

- Markdown HTML
- 
-

---

## 5.2

### 5.2.1 Android

- **AlarmManager**
- **ContentProvider**
- **Intent**      Activity
- **AccountManager**

### 5.2.2

- **Markwon**      Markdown
  - `Markwon.create(context): Markwon`
  - `markwon.setMarkdown(textView, markdown): void`

## 5.3

- WiFi
- 
- 

## 6

### 6.1

- 5
- Markdown
- 

### 6.2

- MTBF      100
- 0.01%
- 99%

---

## 6.3

- 2
- 100MB
- 

## 6.4

- 
- 
- 

## 7

### 7.1

#### 7.1.1 Markdown

- AC-001 Markdown
- AC-002 200ms
- AC-003 Markdown
- AC-004 10000 Markdown
- AC-005 Markdown

#### 7.1.2

- AC-006
- AC-007
- AC-008 Markdown
- AC-009 HTML CSS
- AC-010 Intent

---

### 7.1.3

- AC-011
- AC-012

### 7.2

- PC-001 < 1 Android
- PC-002 Markdown < 500ms 10000
- PC-003 < 1
- PC-004
- PC-005 APK

### 7.3

- CC-001 Android 4.0
- CC-002
- CC-003

### 7.4

- SC-001
- SC-002 HTTPS
- SC-003

### 7.5

- WorkingNote FormatConverter MarkdownRenderer
- UI
- 
- Android Profiler
- Android
- UAT

---

## 8

### 8.1

	WorkingNote
	Markdown
MIME	"text/note"
	Google Tasks
	Acceptance Criteria

### 8.2

MVC Model-View-Controller

- **Model** WorkingNote Note
- **View** NotesListActivity NoteEditActivity UI
- **Controller** Activity

Android

- ContentProvider
- AsyncQueryHandler
- Cursor