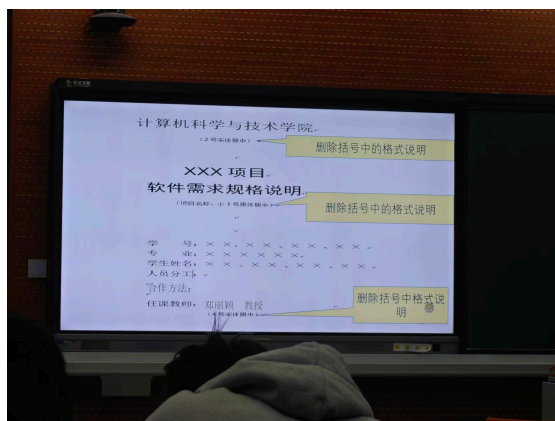


# Software Requirements Specification

## Smart Note



1.0

2025 11 5

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<b>1</b>		<b>3</b>
1.1	.....	3
1.2	.....	3
1.3	.....	3
1.4	.....	3
<b>2</b>		<b>4</b>
2.1	.....	4
2.2	.....	4
2.2.1	.....	4
2.2.2	.....	4
2.3	.....	4
2.4	.....	5
2.5	.....	5
<b>3</b>		<b>6</b>
3.1	.....	6
3.1.1	.....	6
3.1.2	1 Markdown .....	6
3.1.3	2 .....	8
3.2	.....	10
3.2.1	.....	10
3.2.2	.....	11
3.2.3	.....	12
3.2.4	.....	13
3.2.5	.....	13
3.2.6	.....	14
<b>4</b>		<b>14</b>
4.1	.....	14
4.1.1	note .....	14
4.1.2	data .....	15
4.2	.....	15

---

<b>5</b>		<b>15</b>
5.1	.	15
5.1.1	.	15
5.1.2	.	16
5.1.3	.	16
5.2	.	17
5.2.1	Android	17
5.2.2	.	17
5.3	.	17
<b>6</b>		<b>17</b>
6.1	.	17
6.2	.	17
6.3	.	18
6.4	.	18
<b>7</b>		<b>18</b>
7.1	.	18
7.1.1	Markdown	18
7.1.2	.	18
7.1.3	.	19
7.2	.	19
7.3	.	19
7.4	.	19
7.5	.	19
<b>8</b>		<b>20</b>
8.1	.	20
8.2	.	20

---

# 1

## 1.1

Smart Note

- 
- 
- 
- 

## 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

- 
- 
- 
-

---

## 2.4

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

## 2.5

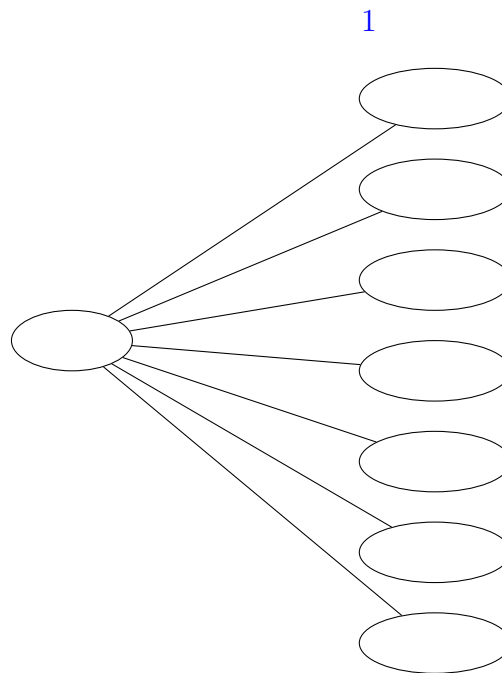
- Java
- Android 4.0
- Android
- 
- 20MB
- Google Play Services
- Android
- Markdown      Markdown
-

---

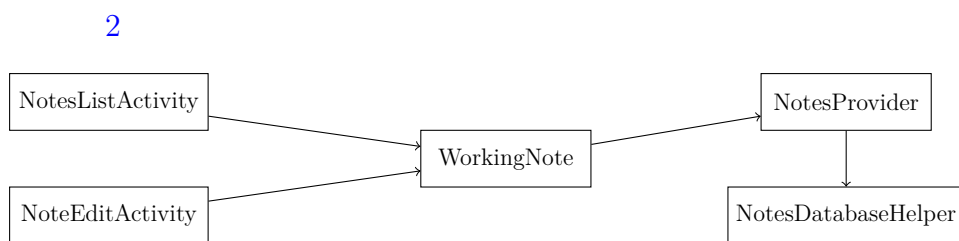
# 3

## 3.1

### 3.1.1



1:



2:

### 3.1.2 1 Markdown

Markdown

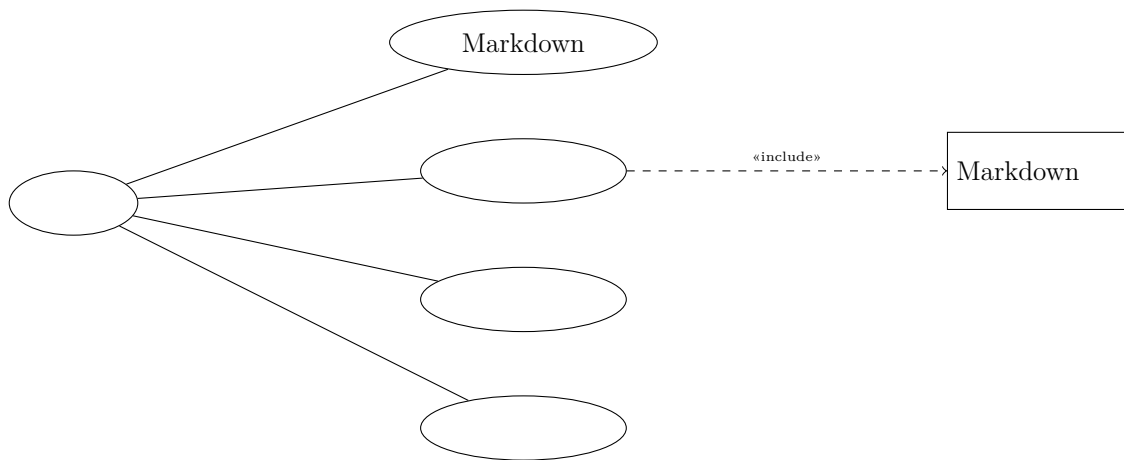
Markdown

- Markdown
-

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

- 
- 3a.    Markdown

### 3    Markdown

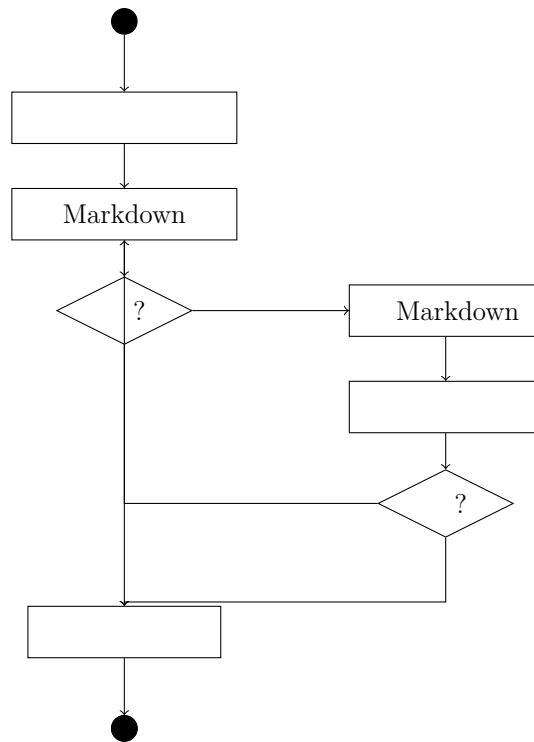


3: Markdown

- 4    Markdown
- 5    Markdown
- 6
- 7    Markdown

- Markdown      500ms      10000
- 200ms





4: Markdown

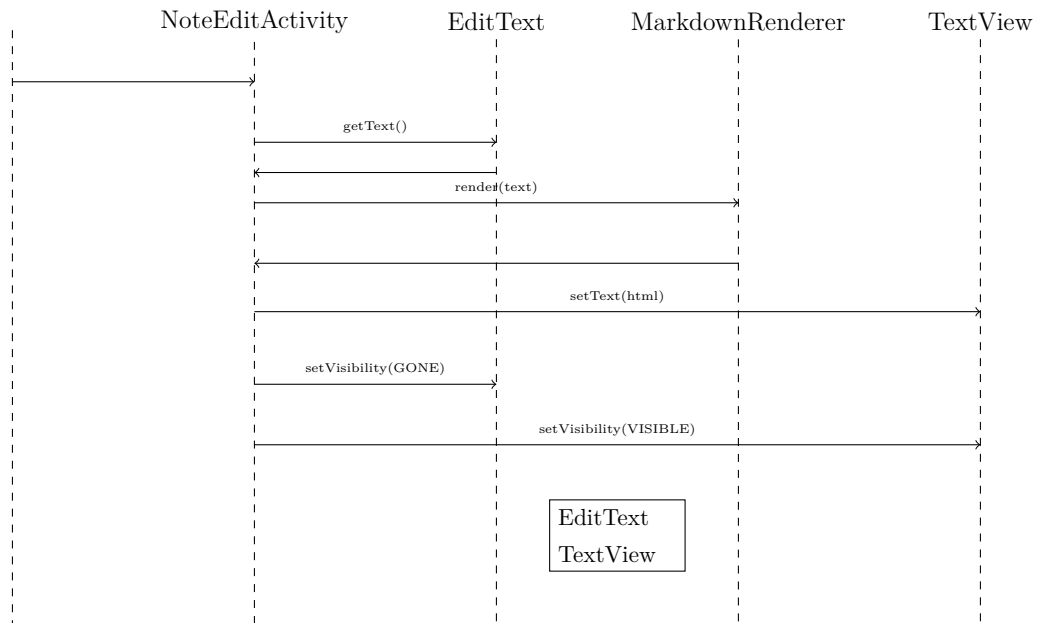
- Markdown data content
- MIME\_TYPE "text/note"
- HTML

### 3.1.3 2

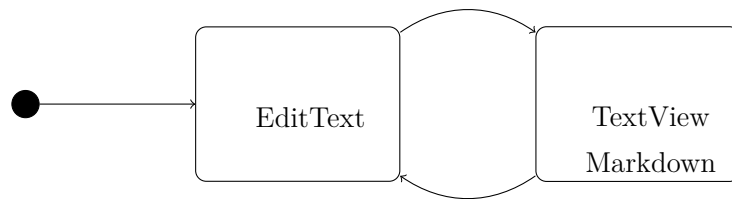
Markdown HTML Android

- 
- 
- 
- 
- 

1.



## 5: Markdown



6:

2. /Markdown/HTML

3.

4.

5. Android Intent

6.

7.

•

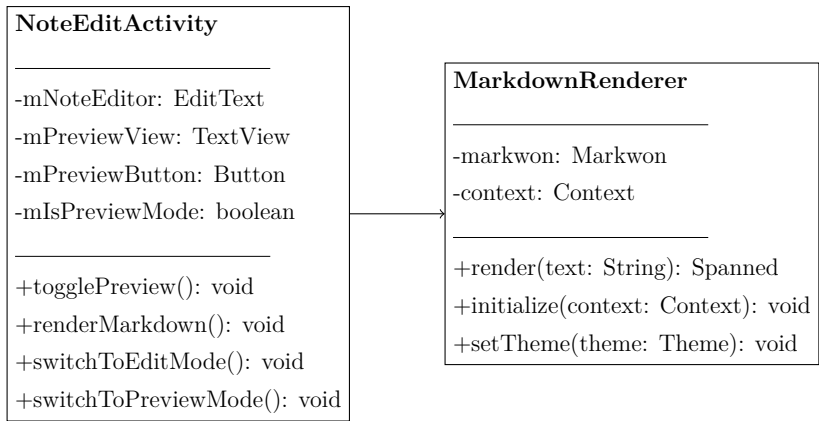
4a. HTML Markdown HTML CSS

6a.

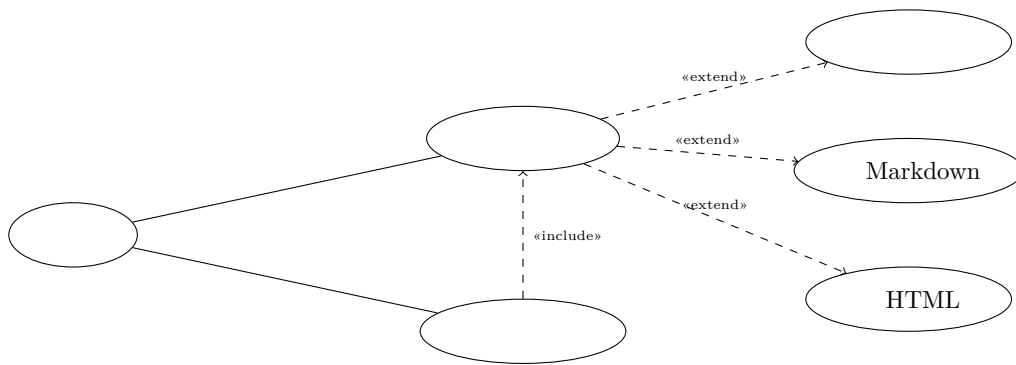
8

9

10 HTML



## 7: Markdown



8:

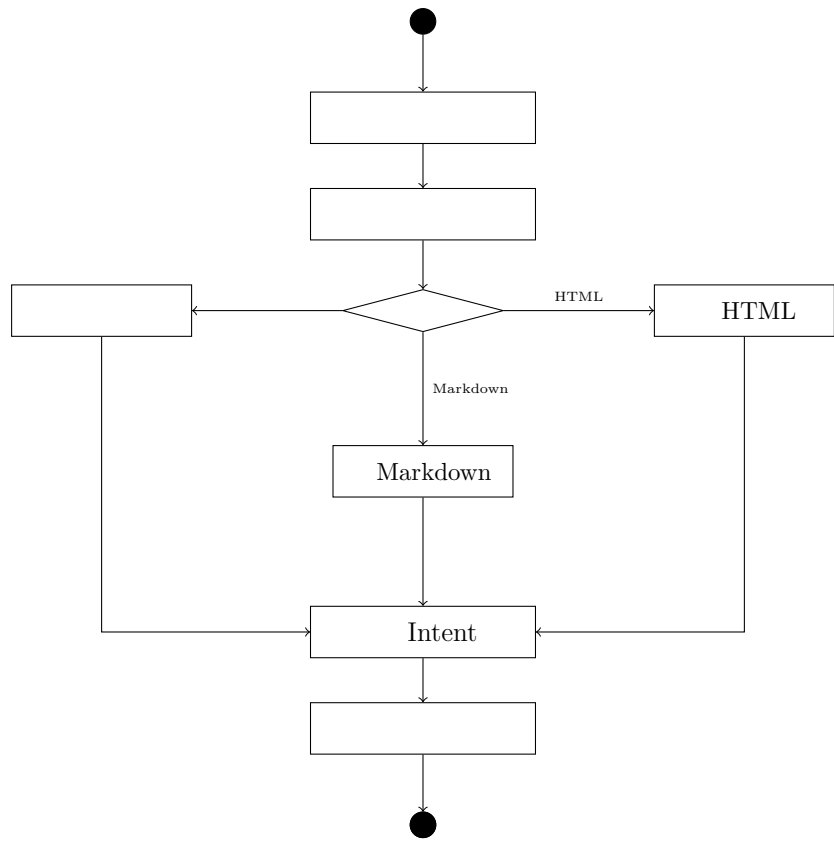
11

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

## 3.2

### 3.2.1

- 
- 1



9:

- 1
- 500ms
- Markdown 500ms
- 1

•

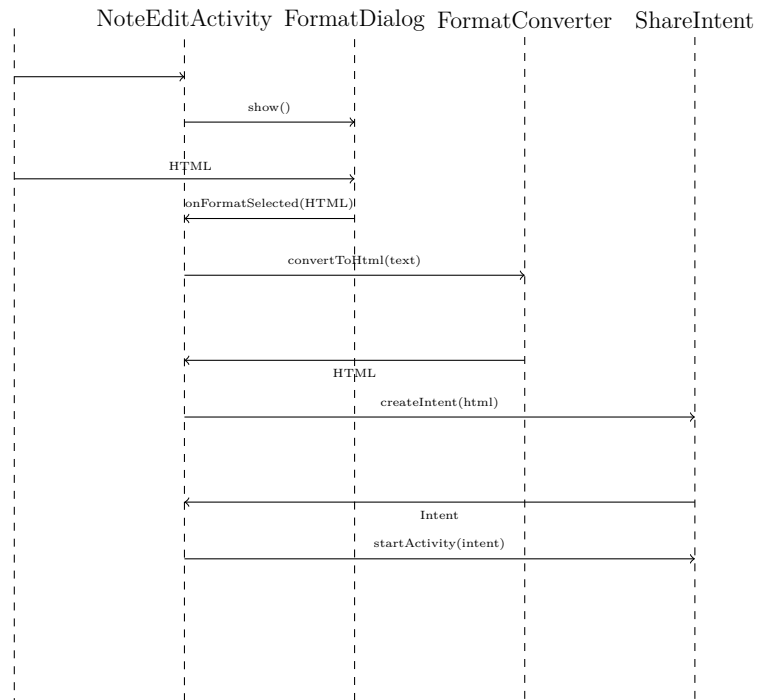
- 50MB
- 1000 10MB
- APK 20MB

•

- 10000 100000

### 3.2.2

- 99.9%
-



## 10: HTML

- NotesProvider

- 

- 

- 

- Markdown

- 

- 

### 3.2.3

- 

- Android

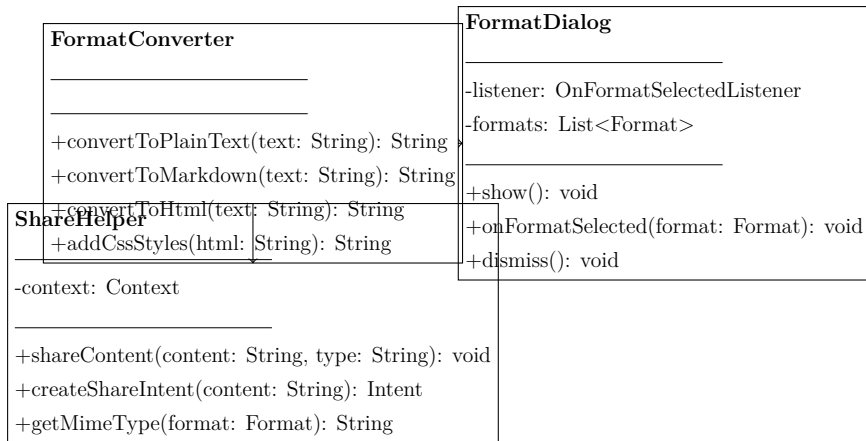
- 

- 

- 

- ContentProvider

- Markdown



11:

— PDF

•

— UI

—

### 3.2.4

•

—

— HTTPS

— Android KeyStore

•

—

—

### 3.2.5

• Android 4.0 API Level 14+

•

•

• 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

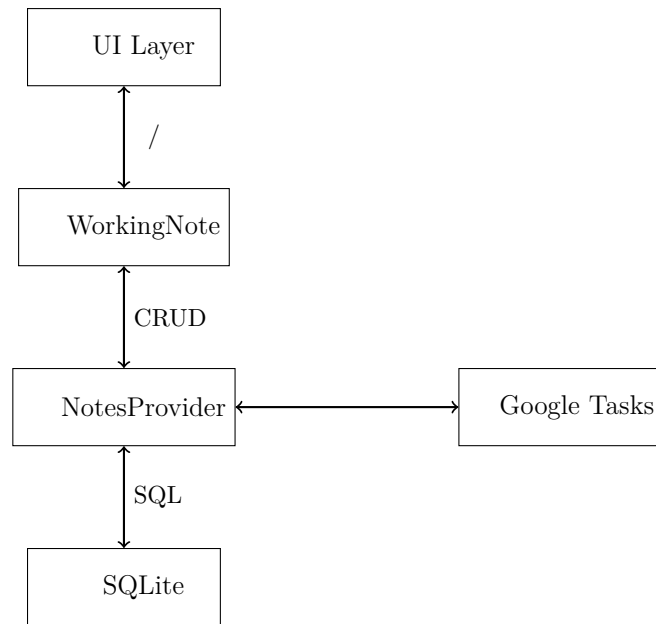
## 5

### 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
- 1%

## 6.4

- 30%
- 
- 

## 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 5

---

### 7.1.3

- AC-011
- AC-012

## 7.2

- PC-001 < 1 Android
- PC-002 Markdown < 500ms 10000
- PC-003 < 1
- PC-004 < 50MB
- PC-005 APK < 20MB

## 7.3

- CC-001 Android 4.0
- CC-002 3
- CC-003

## 7.4

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

## 7.5

- WorkingNote FormatConverter MarkdownRenderer  
>80%
- UI
- 
- Android Profiler
- 5 Android
- UAT 5-10

---

## 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