1.							
2.							
3.							
4.	가						
						,	
		~	~				
1.	,		가	DB		•	
2.		Oper	nCV가				
Dot							
Course	eSuggester, D	otRGB, DotAc	ldress				
1	Onan	CV				RGB	
1. DotRG	Open	CV				NGD	
2.	ID	•			DotAddr	000	
۷.					DOLAGGI	533	
3.	•	DotRGR	DotAddress				
J.		DOUNGD	DOLAGGICSS				
가	CCTV가		가		DB		
•	가	CCTV가	·				
		•					

OpenCV

https://brunch.co.kr/@mystoryg/76

OpenCV

https://hyesunzzang.tistory.com/39

OpenCV

https://stackoverflow.com/questions/14072761/how-to-read-value-of-the-each-pixel-as-rgb-values-from-mat-object-m-in-opency/14339002

https://developer.android.com/training/data-storage/room?hl=ko#java

https://developer.android.com/training/data-storage/room/prepopulate?hl=ko

https://www.juso.go.kr/addrlink/addressBuildDevNew.do?menu=geodata CCTV

https://www.data.go.kr/data/15017320/standard.do

https://www.data.go.kr/data/15028201/standard.do

가				
	UI			
	·			
MapDrawer				
drawCourse	:			
drawUserPat	:h :			
drawUserLog	gPath : 가			
GuideSounde	er			
NaverMapDr MapDrawer	awer			
NaverMapDr	awer			
1. API				
	OpenAPI	ncloud	API	
1.1	Open API			_
) - (naver.com)	1		
1.2 <u>CLOUD P</u>	LATFORM	(ncloud.com) (API)	
2.	Activity	가		
		SDK (navermaps.github.io)		
MapDrawer		SDK		
	SDK (nov	ermaps.github.io) .		
	SUN (Have	<u>-:::::apə.g:::::up.::0)</u> .		

CourseOversighter						
NaverMapDrawer	MapDrawer	MapDrawer				
가		가				
가						
1. GPS 2.	•					
(GPS	3)					
IT :::[] GPS	/	(tistory.com)			
가 MapDTO, CourseDTO, Exe	DB rciseDTO		•			
MapDAO, CourseDAO, Exe	rciseDAO					
DB ,	,					
ExerciseAnalyzer						
DAO	DB		가 .			
DB						
: , : ,	, , (, ,)				
: ,	ı	, ,	,			

https://developer.android.com/training/data-storage/room?hl=ko#java

가 (UI)

FireBase

•

0.

https://firebase.google.com/docs/android/setup?hl=ko

1. 가

https://firebase.google.com/docs/auth/android/firebaseui?hl=ko

2.

https://firebase.google.com/docs/database/android/start?hl=ko