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TagIt

Leave Your Mark

Software Architecture
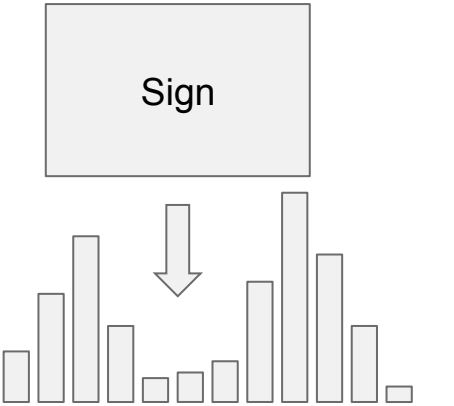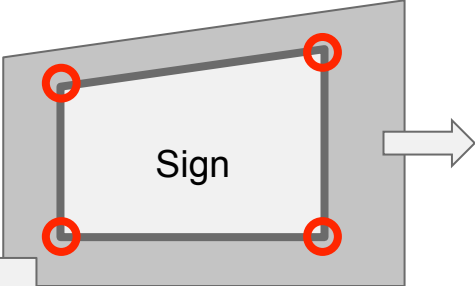
		Longitude	Latitude	TagIdent.	Tag
Image, Drawing	Video, Overlay				
Sign Recognition					
Camera		47.65686	-122.30866	...	...
Background Location Service & DB query	UI, Settings, etc	47.65699	-122.30878	...	...
Google Play Location Services API	OpenCV	MySQL		Periodic cleanup	
Android		Back End			

Timeline

- (week 1) Setup database, app camera and callable OpenCV (zero feature release)

zero feature release

- (week 2) location service periodic pings to database, start drawing activity ui, identify rectangles & signs, compute tag identifier

- (week 3-4) drawing activity ui, integration with backend, overlay tag over sample images, migrate to live camera feed

beta release

- (week 4) … overlay tag over live camera feed, polish ui

feature-complete release

- (week 5-6) improve recognition identifiers and increase overlay performance, polish ui

- Study for finals ☠️

release candidate

- (week 7) finals week

demo