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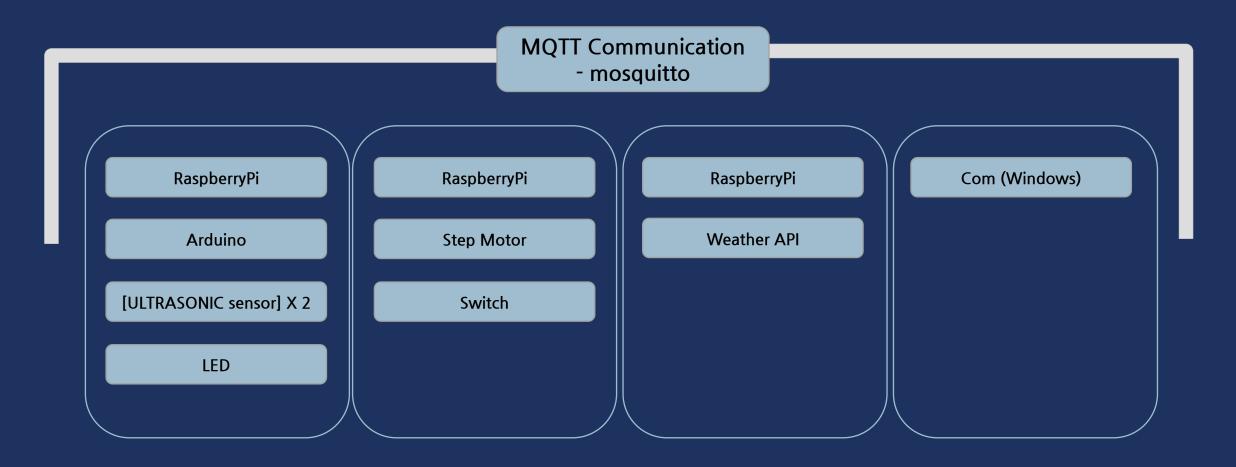
Results

Competive Analysis

Schedule & The Role of a Team Member

	연구내용		담당자	일별 추진 일정						
				18	19	20	21	22	25	
1.	Light	전자회로 구성 및 작동 코딩	이상훈, 신주호							
		Serial Communication	이상훈							
		MQTT	이상훈							
2.	Curtain	전자회로 구성 및 작동 코딩	임여진, 신주호							
		MQTT	임여진							
3.	Weathe r	Weather API	어중현							
		MQTT	어중현							
4.	Window Client Code		어중현							
5.	Model Representation		다같이							
6.	Presentation of Findings		이제호, 장소현, 임 여진							
7.	Flow Chart		어중현							
8.	Final Presenter		이상훈							

Components



Why Smart Home?

Analyzed the advantages of smart home from the perspective of clients and companies

Clients:

홈 오토메이션 + 정보 자체 생산 및 전달 -> 수요 파악 및 예측

스마트 홈을 통한 에너지 절감과 경제성, 보상성, 신속성, 환경성 보장



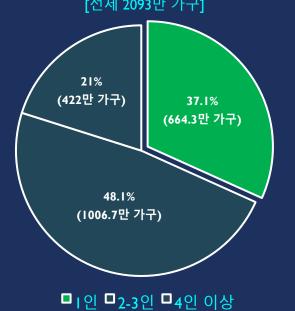
Corporations:

A business model that reduces energy usage and thus provides an eco-friendly solution to smart home security

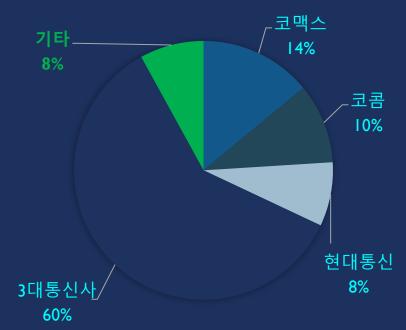
Main Target

Considering single-person households as the primary target
Other companies are unable to occupy the single-person market at high cost

2020년 기준 대한민국 가구 구성 비율(%) [전체 2093만 가구]

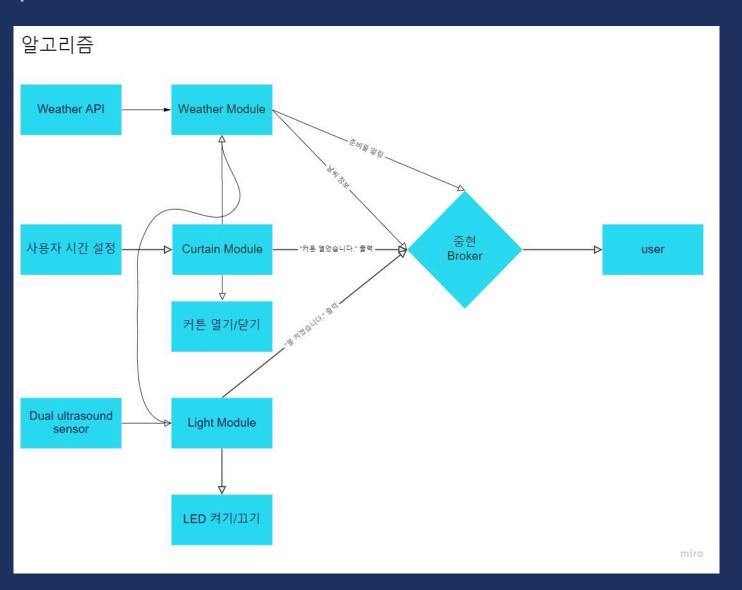


기업별 스마트홈 시장 점유율



Our Services IoT Smart Home Services using MQTT protocol

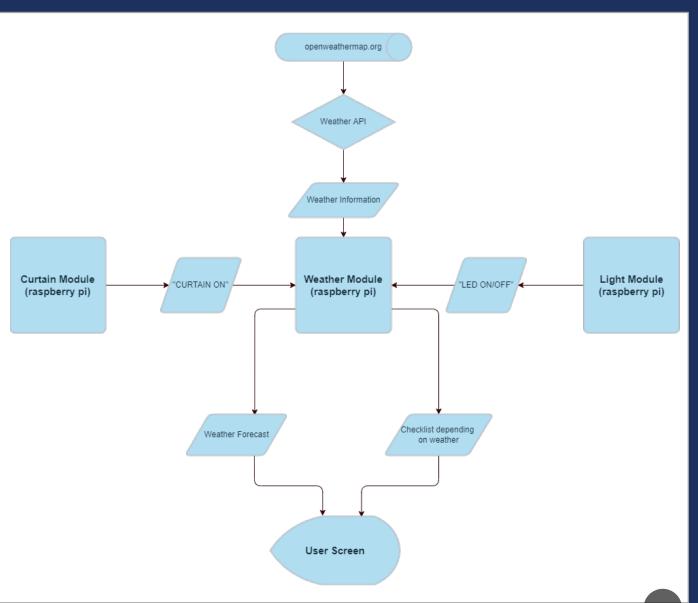
Overview of Architecture



Implementation Method

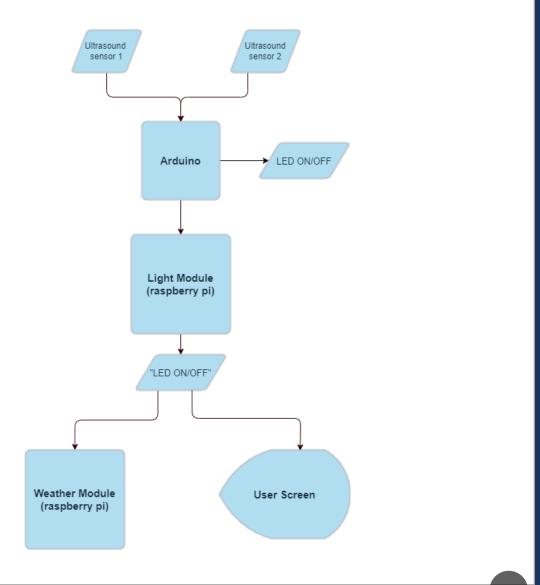
Weather Module

Weather Module Flow-Chart



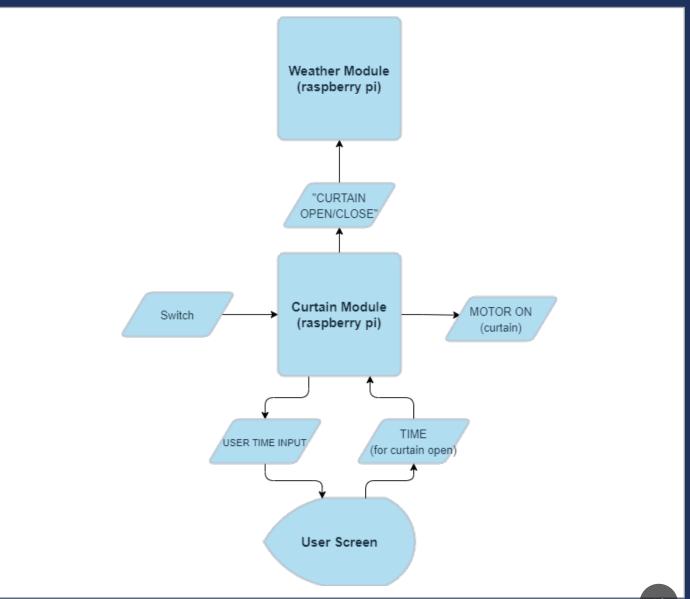
Implementation Method Light Module

Light Module Flow-Chart



Implementation Method Curtain Module

Curtain Module Flow-Chart



Competive Analysis

Benchmarking strong competitors in the market and finding differences

Samsung SDS







HDC LABS





LG UPLUS





Financial Expectation

Calculated sales and future operating profit by multiplying the number of products by the price

Smart Home Service Expected Revenue											
						(단위 :만원)					
	2022년	2023년	2024년	2025년	2026년	4					
매출액	378	402.9	429.3	457.6	487.7						
매출원가	328.5	344.9	362.2	380.3	399.3						
판매비및관리비	32	34.9	38.0	41.4	45.2						
영업이익	17.5	23.0	29.2	35.8	43.2						
영업이익율	5.3%	5.7%	6.8%	7.8%	8.9%						

Final Goals



Smart Home

Application UI Kit



25+ screens for iPhone X



Customizable layout, text & colors



Vector & well organized layers



Compatible with Sketch, XD & Figma







