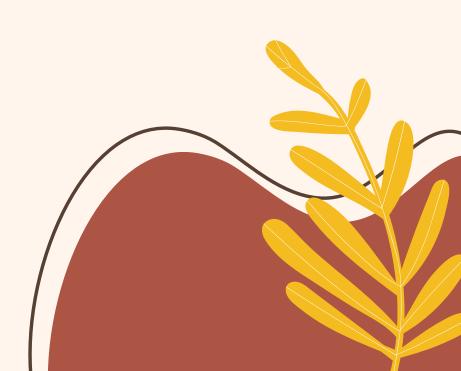
Double Major Study Planner Showcase

CITS5206 Group 7





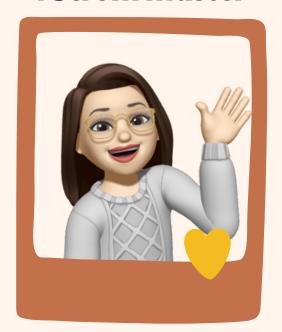




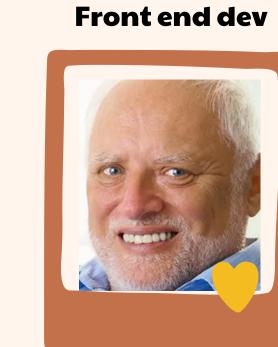
Our Team



Business Analyst
/Scrum master



Dali Zheng



Nishan Devkar





Pan Yeung Lee

Solution architect
/Backend dev

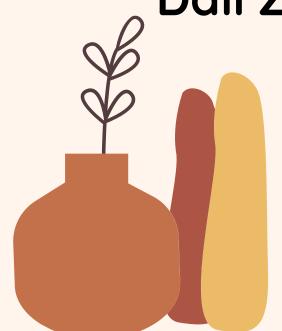


Haoyu Li

UI designer
/ Front end dev



Yihan Liu





Problem

Double major study plans are currently created manually



Solution

Create a web app to automate double-major study planning

Pain points

- UWA's flexible course structure becomes complicated and inefficient when coordinating for a double major.
- No dynamic tool in place to generate double major study plan
- The current manual process is time consuming

Actions

 Automatically generate a viable academic schedule for students enrolled in a University program with two majors, accounting for specific constraints such as core units, prerequisites, and semester availability

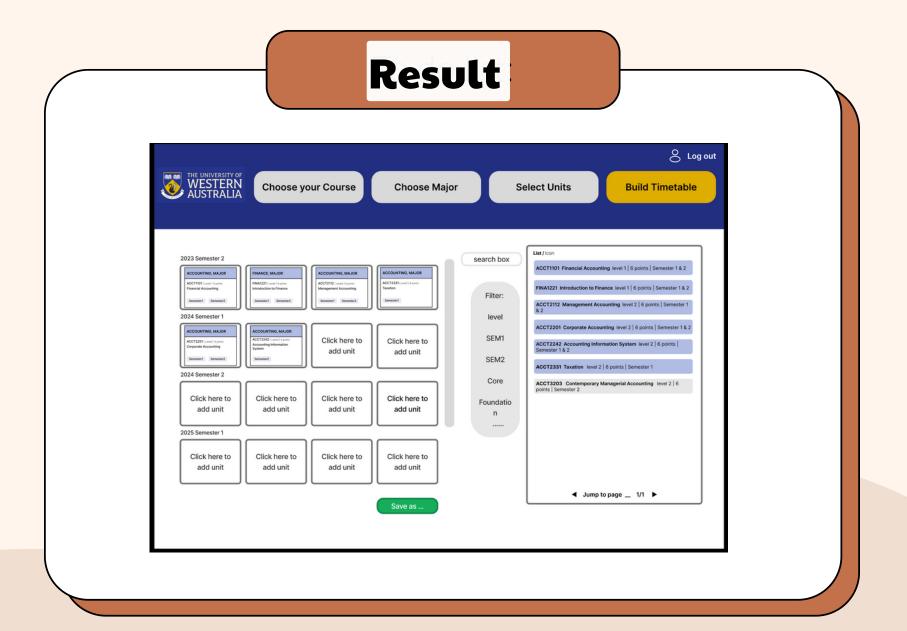


Goals & Objective

Simplify the double major planning process based on populating core units for both majors and identify optional units for selection

Save time for both uni staffs and commencing students

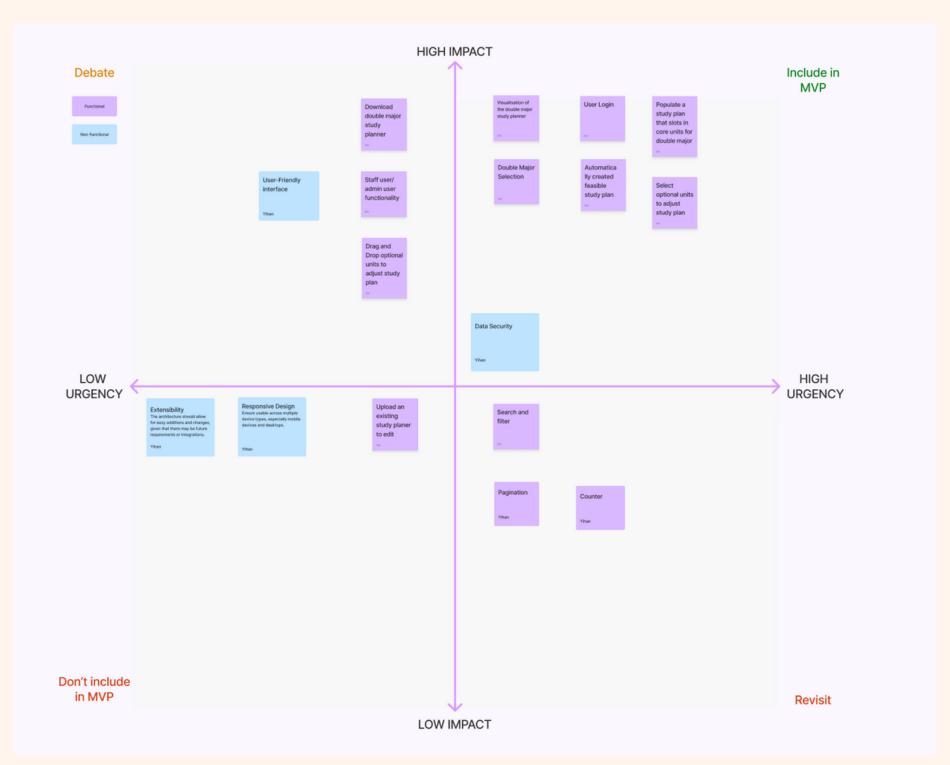
Success Goal

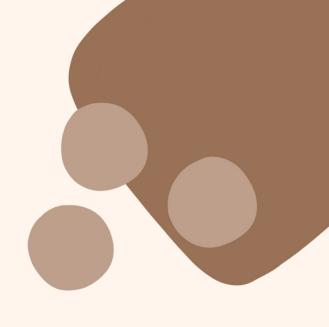


What does good look like?

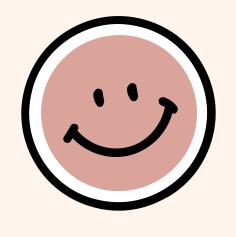
- Effortless Planning
- Reduced Inquiries
- Intuitive Interface





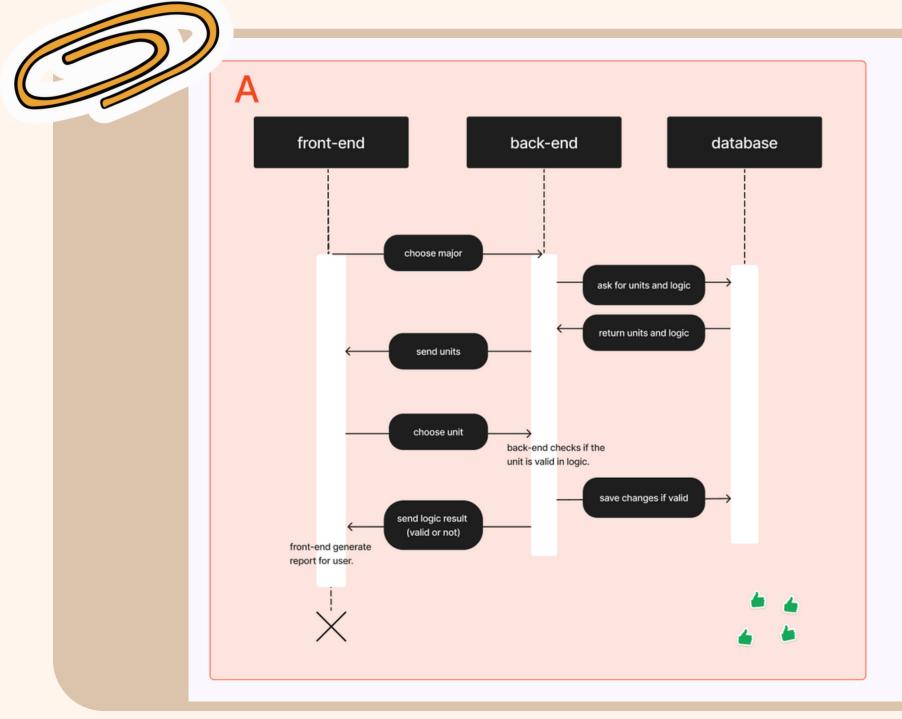


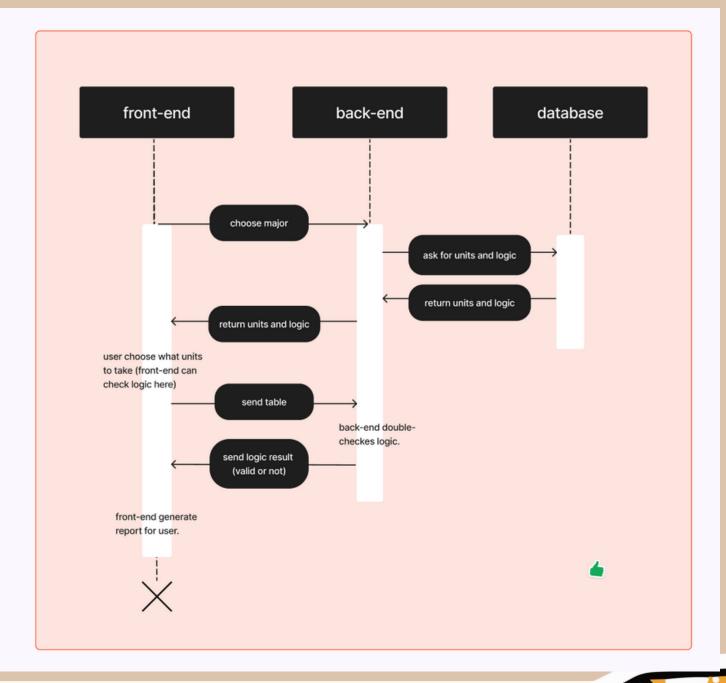




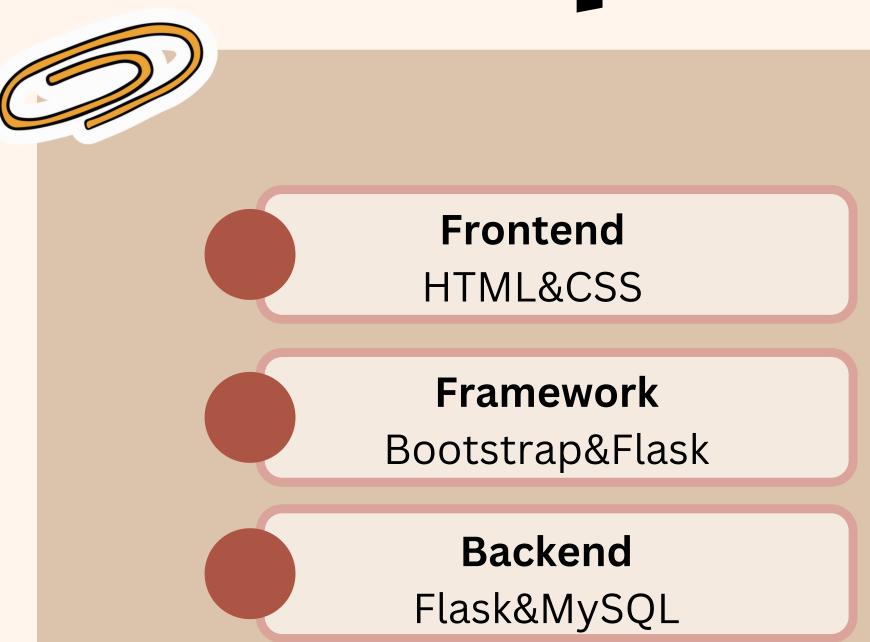
MVP Prototype Demo

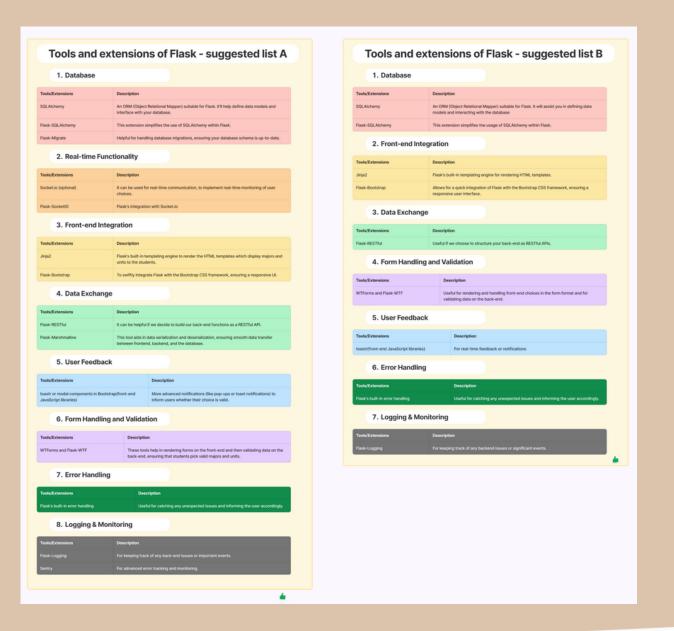
Simple Architecture

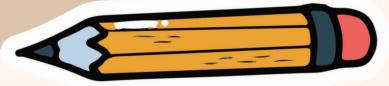




Simple Architecture







Database Architecture

s	Core	+
С	olumn	16:
b	oolean	1

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

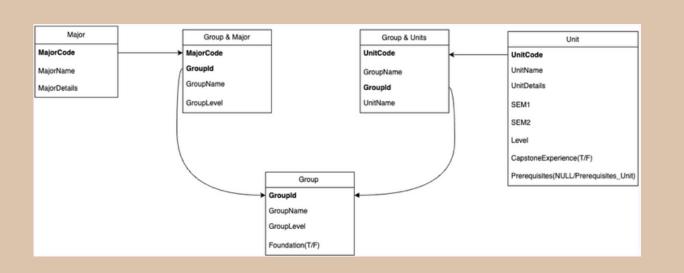
FALSE

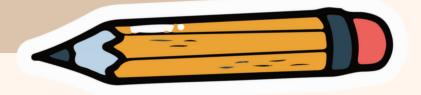
FALSE

Avail_1_Semester_Year +	Avail_2_Semester_Year	Avail_3_Semester_Year	Avail_4_Semester_Year	Has_Prerequisites	Has_Corequisites	+ Has_Incompatibilities	Level [‡]
1 Semester 2023	1 Semester 2023		NA	FALSE	FALSE	FALSE	1
1 Semester 2023	1 Semester 2023	1 Semester 2023	2 Semester 2023	FALSE	FALSE	TRUE	1
2 Semester 2023	2 Semester 2023		NA	TRUE	FALSE	FALSE	2
1 Semester 2023		NA	NA	TRUE	FALSE	FALSE	2
2 Semester 2023		NA	NA	TRUE	TRUE	TRUE	2
2 Semester 2023		NA	NA	TRUE	FALSE	FALSE	3
2 Semester 2023		NA	NA	TRUE	FALSE	TRUE	3
1 Semester 2023		NA	NA	TRUE	FALSE	FALSE	3
2 Semester 2023		NA	NA	TRUE	TRUE	TRUE	3
Avail_1_Location Avail	Avail_1_Location Avail_2_Location Avail_3_Location Avail_4_Location Avail_5_Location						

Avail_1_Location + Avail_2_Location +		Avail_3_Location + Ava		Avail_	Avail_4_Location 🗦		Avail_5_Location	
Crawley Albany				NA		NA		
Crawley Albany		Albany		Crawley		Albany		
Albany	Crawley			NA		NA		
Crawley		NA		NA		NA		
Crawley	rawley		NA		NA		NA	
Crawley	awley		NA		NA		NA	
Crawley		NA		NA		NA		
Crawley		NA		NA		NA		
Crawley		NA		NA		NA		
Avail_1_Teaching_Mode	Avail_2_Teaching_Mod	е ‡	Avail_3_Teaching_M	ode [‡]	Avail_4_Teaching	_Mode [‡]	Avail_5_Teachir	
Face to face	Face to face				NA		NA	
Face to face	Face to face		Online		Face to face		Online	

Avail_1_Teaching_Mode	Avail_2_Teaching_Mode +	Avail_3_Teaching_Mode +	Avail_4_Teaching_Mode +	Avail_5_Teachir
Face to face	Face to face		NA	NA
Face to face	Face to face	Online	Face to face	Online
Face to face	Face to face		NA	NA
Face to face		NA	NA	NA
Face to face		NA	NA	NA
Face to face		NA	NA	NA
Face to face		NA	NA	NA
Face to face		NA	NA	NA
Face to face		NA	NA	NA





Roadmap



