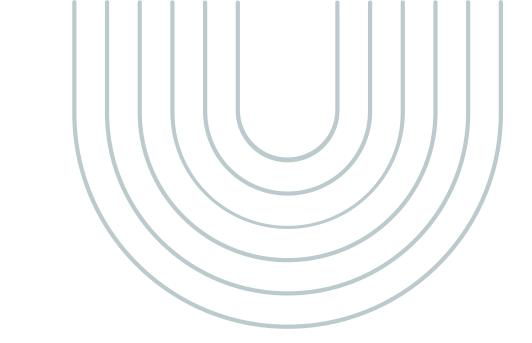
G4: Define & present initial information story for product: Wireframes, access & architecture Tara Hulcome IMT 542 A: Portable Information Structures



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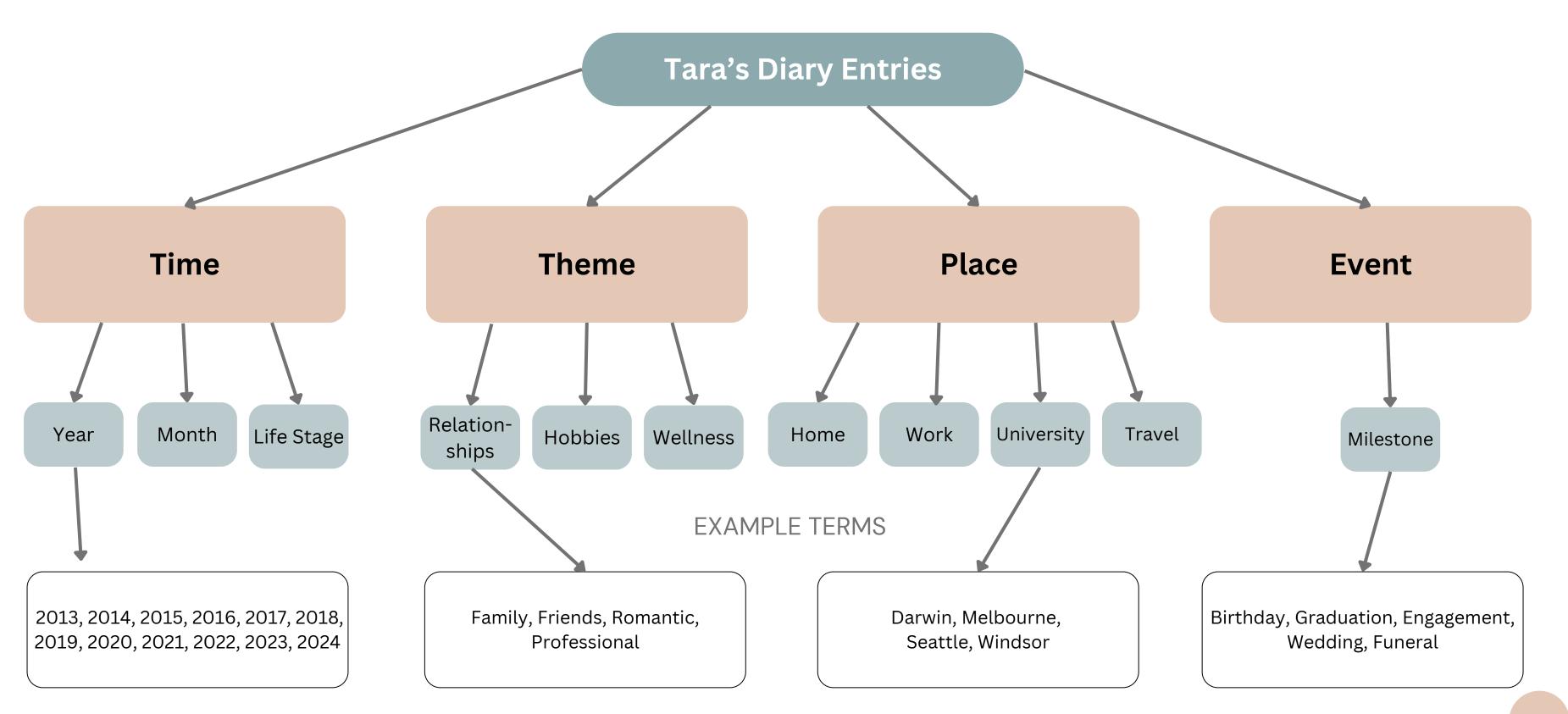
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FROM PEN TO PIXEL: A NEW DIGITAL INFORMATION PRODUCT

- What: Convert handwritten personal diaries into structured, machine-readable format.
- Goal: Enhance accessibility & findability, enabling the user (me!) to interact with data in a more enjoyable way.

EXISTING SYSTEM	Hard copy files 🗸	Digital files 🗸
Scope / Format	• 22 physical diaries (~8,030 entries)	• ~1,144 scanned JPEG files.
Storage Solution	 Hard copies stored in shoe boxes. 	Stored in cloud.Password-protected.
Access / Analysis	Very hard to retrieve.Analysis impossible.	 Poor folder structure hinders retrieval / analysis.
Risks	 Vulnerable to loss, exposure or damage. 	 Potential for data breaches.

GIVING STRUCTURE TO THE STORIES: INFORMATION WIREFRAME



STANDARDIZED EXPRESSION: MAIN CONCEPTS

- Develop controlled vocabulary list (to align with taxonomy in *Slide 2*)
- Four top-level categories
 - Time
 - Theme
 - Event
 - Place
- Defined sub-categories & specific terms
 - See example →

AN ITERATIVE PROCESS!

- This vocabulary list is just a starting point
 - will be refined as project progresses.

EXAMPLE CONTROLLED VOCABULARY LIST

Top-level category	Sub-category	Term	Example tags
Time	Year	2020	#time-year-2020
Time	Year	2021	#time-year-2021
Time	Year	2022	#time-year-2022
Time	Year	2023	#time-year-2023
Time	Year	2024	#time-year-2024
Time	Month	January	
Time	Month	February	
Time	Month	March	
Time	Month	April	
Time	Month	May	
Time	Month	June	#time-month-june
Time	Month	July	
Time	Month	August	
Time	Month	September	
Time	Month	October	
Time	Month	November	
Time	Month	December	
Time	Life Stage	High School	
Time	Life Stage	University - Undergraduate	
Time	Life Stage	University - Graduate	
Time	Life Stage	Cadetship	#time-life_stage- cadetship
Time	Life Stage	Career	
Time	Life Stage	Van Life	
Theme	Hobbies	Music	
Theme	Hobbies	Camping	#theme-hobbies- camping
Theme	Hobbies	Baking	
Theme	Hobbies	Cooking	
Theme	Wellness	Hiking	
Theme	Wellness	Yoga	#theme-wellness-yoga
Theme	Wellness	Pilates	
Theme	Wellness	Running	
Theme	Wellness	Strength	
Theme	Wellness	Aerial	
Theme	Wellness	Kayaking	
Theme	Wellness	Skiing	
Theme	Relationships	Family	
Theme	Relationships	Friends	
Theme	Relationships	Romantic	#theme-relationships- romantic
Theme	Relationships	Professional	
Event	Milestone	Birthday	#event-milestone-

Top-level category	Sub-category	Term	Sub-Term	Example tags
Place	Home	Australia	Darwin	#place-home-australia
Place	Work	Australia	Canberra	
Place	Work	Australia	Gold Coast	
Place	Work	China	Beijing	
Place	Work	Fiji	Suva	
Place	Work	India	New Delhi	
Place	Work	Indonesia	Jakarta	
Place	Work	Japan	Tokyo	
Place	Work	PNG	Port Moresby	
Place	Work	Russia	Vladivostok	
Place	University	Australia	Darwin	
Place	University	Australia	Melbourne	
Place	University	Canada	Windsor	#place-university- canada-windsor
Place	University	United States	Seattle	
Place	Leisure Travel	Australia	Adelaide	
Place	Leisure Travel	Australia	Brisbane	
Place	Leisure Travel	Australia	Coffs Harbour	
Place	Leisure Travel	Australia	Gold Coast	
Place	Leisure Travel	Australia	Melbourne	
Place	Leisure Travel	Australia	Sydney	
Place	Leisure Travel	Australia	Hobart	
Place	Leisure Travel	New Zealand	Auckland	
Place	Leisure Travel	New Zealand	Queenstown	
Place	Leisure Travel	New Zealand	Christchurch	
Place	Leisure Travel	New Zealand	Taupo	
Place	Leisure Travel	United Kingdom	London	



FROM PAPER TO THE PLATFORM: BASIC SYSTEM ARCHITECTURE

Technologies

- Extract text from JPEG files using Optical Character Recognition (OCR) tools and Python.
- Use simple API (to be determined) to interact with information.

Hosting

- To be determined.
- Will be assessed after completion of scoping and testing phase.

2 Information structure

- Aim is to focus on the <u>process</u> rather than building the 'perfect' information product.
- Will experiment with a small subset of files to test and refine the structure.

Future expansion

- Full implementation unlikely within scope of IMT 542 project, but plan to pursue later.
- Potential to conduct advanced sentiment analysis and synthesis, leveraging AI tools
 - o But requires further thinking re: risk management.

ANNEX



Figure 1: Personal collection of hard copy diaries

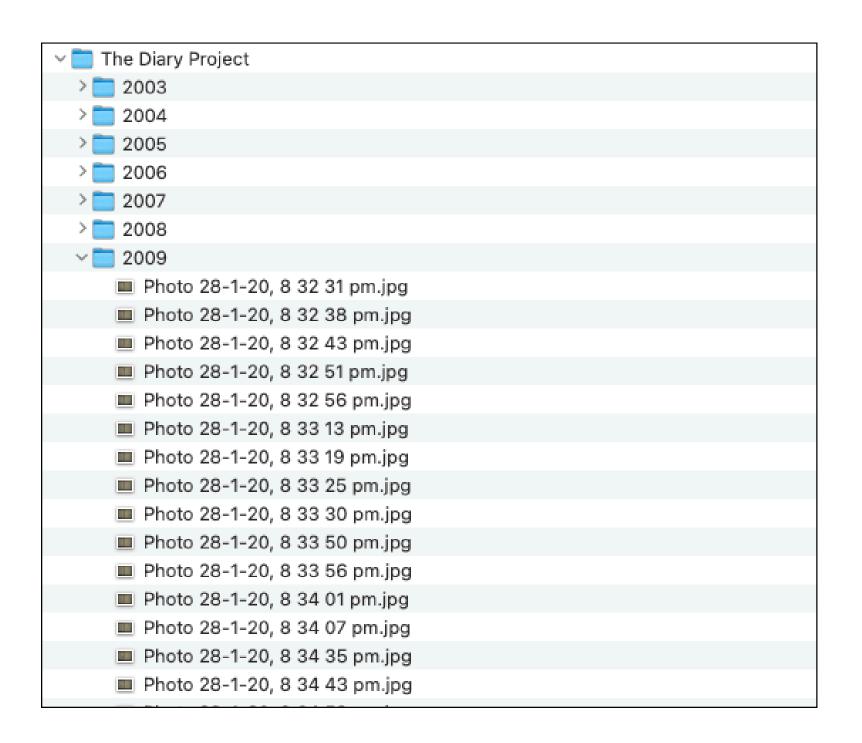


Figure 2: Current Dropbox file structure (JPEG files containing scanned diary entries)