

TinyTales

A simple memory journal for parents to record and revisit their child's moments.



Project type	Web application (React + Vite, Node.js + Express)
Primary users	Parents with young children
Core value	Private journaling with photos, easy browsing via carousel and calendar

1. Problem Statement

Parents capture many photos and videos, but meaningful moments get scattered across phone galleries and chat apps. It becomes difficult to locate memories by date and keep short written notes together with images.

2. Proposed Solution

TinyTales provides a private account-based journal where a parent can quickly write a short entry, attach photos, and revisit past entries through a carousel and calendar view.

3. Target Users

- Parents with young children who want a simple, low-friction memory journal.
- Families who prefer a private space for memories instead of scattered albums.

4. MVP Features (In Scope)

Authentication

- Login for existing users
- Basic session handling

Journaling

- Create entry (title, content, date)
- Upload multiple photos per entry
- View entries (carousel and entry popup)
- Calendar-based navigation

5. Out of Scope

- Registration and email-based password reset
- Full admin dashboard and advanced user management
- Social sharing, comments, and AI features

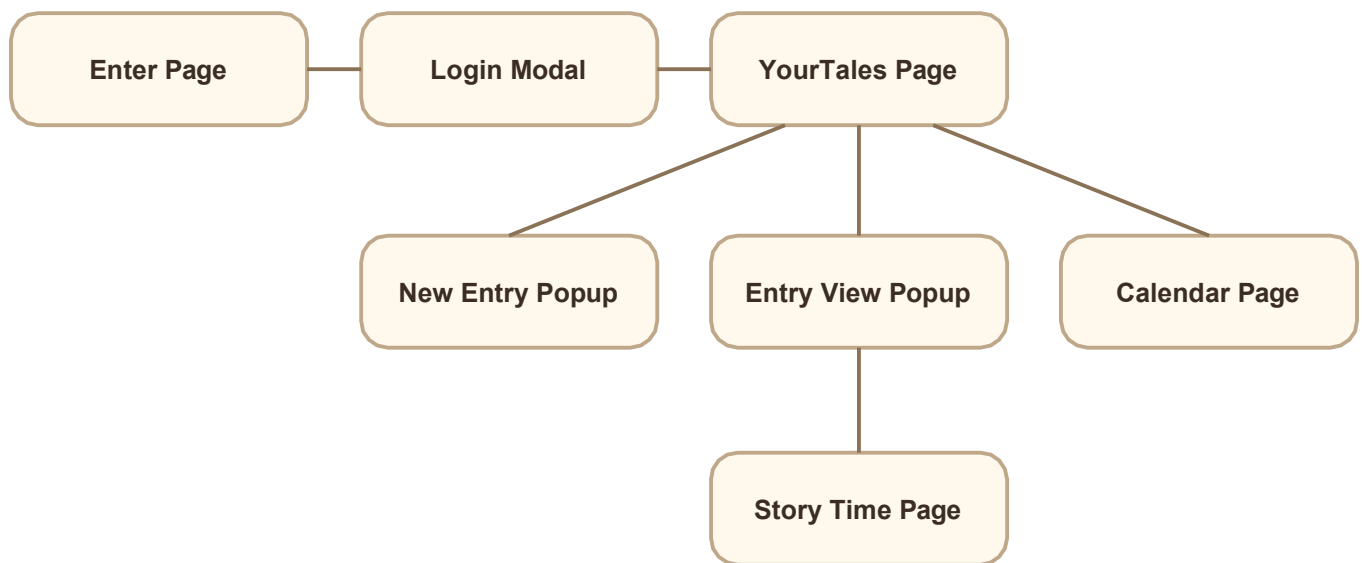
6. Tech Stack

Frontend	React (Vite) + external CSS
Backend	Node.js + Express
Database	MySQL
Storage	Supabase (image storage)

7. Data Model (Overview)

User: id, username, passwordHash, createdAt
Entry: id, userId, entryDate, title, content, createdAt
EntryPhoto: id, entryId, imageUrl, createdAt

8. Website Navigation Map



9. Database Schema & Constraints

Table: Sheet1

Unnamed: 0	Unnamed: 1	Unnamed: 2	Unnamed: 3	Unnamed: 4	Unnamed: 5	Unnamed: 6	Unnamed: 7
		Data type & constraint					
	PARENT						
	ParentID	INT	PRIMARY KEY				
	Username	VARCHAR(20)	NOT NULL				
	Password	VARCHAR(20)	NOT NULL				
	Email	VARCHAR(20)	NOT NULL				
	DateOfBirth	DATE	NOT NULL				
	Gender	VARCHAR(6)					
	Created_at	DATE	NOT NULL				
	CHILD						
	ChildID	INT	PRIMARY KEY				
	Username	VARCHAR(20)	NOT NULL				
	Password	VARCHAR(20)	NOT NULL				
	DateOfBirth	DATE	NOT NULL				
	Gender	VARCHAR(6)	NOT NULL				
	Created_at	DATE	NOT NULL				
	ENTRY						
	EntryID	INT	PRIMARY KEY				
	Title	VARCHAR(50)	NOT NULL				
	Content	TEXT	NOT NULL				
	EntryDate	DATE	NOT NULL				
	Created_at	DATE	NOT NULL				
	UserID	INT	NOT NULL				
	PHOTO						
	PhotoID	INT	PRIMARY KEY				
	Description	TEXT					
	Created_at	DATE	NOT NULL				
	EntryID	INT	NOT NULL				
	EVENT						
	EventID	INT	PRIMARY KEY				
	Title	VARCHAR(50)	NOT NULL				

Unnamed: 0	Unnamed: 1	Unnamed: 2	Unnamed: 3	Unnamed: 4	Unnamed: 5	Unnamed: 6	Unnamed: 7
	Note	TEXT					
	EventType	VARCHAR(10)	NOT NULL		task	event	
	Status	VARCHAR(10)	NOT NULL		pending	done	cancelled
	Created_at	DATE	NOT NULL				
	UserID	INT	NOT NULL				
	VIDEO						
	VideoID	INT	PRIMARY KEY				
	Title	DATE	NOT NULL				
	ViewCount	INT	NOT NULL				
	WatchLog	DATETIME	NOT NULL				
	Duration	DATETIME	NOT NULL				
	UrlLink	VARCHAR(255)	NOT NULL				
	Created_at	DATE	NOT NULL				
	UserID	INT	NOT NULL				