

# Digital Transformation of Personal Storytelling

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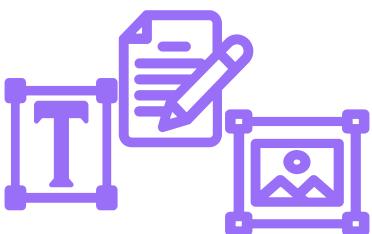
Methodology

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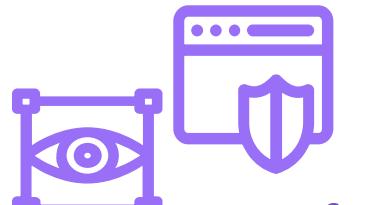
Concluding & future work



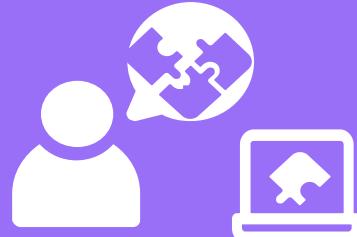
More than text



Convenient



Safe



## Diary with digital connect



COMPARISON OF PERFORMANCE BETWEEN OBJECT RELATIONAL MAPPING AND PURE RELATIONAL DESIGN IN DATABASE DEVELOPMENT

A THESIS  
Presented to the Department of Computer Engineering  
and Computer Science  
California State University, Long Beach

Database Security—Concepts,  
Approaches, and Challenges

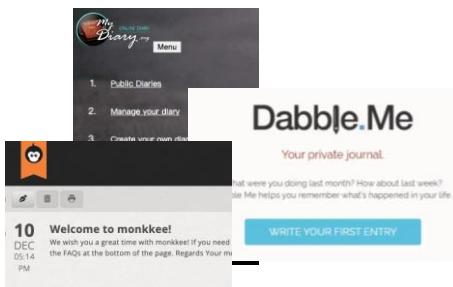
Eduardo Berrios, Fabio IEEE, and Paul Sandhu, Fabio IEEE

Abstract: An organization needs fast access to its valuable data. Information systems are used in business, government, and other sectors to store and process data. Data can be represented in various forms such as text, images, video, audio, etc. In order to store and retrieve data efficiently, it is necessary to have a proper database system. Database security is one of the most important issues in data management. This thesis presents a survey of the current state-of-the-art in database security. It also discusses the challenges and solutions for improving database security. The thesis is organized into four main parts. Part I provides an overview of the basic concepts of databases and their security. Part II discusses the security of relational databases, including the security of data storage, retrieval, and update operations. Part III covers the security of non-relational databases, such as NoSQL databases, and their security. Part IV concludes with a summary of the research results and directions for future work.

Index Terms: Data confidentiality, security, database, and query processing.

January 2009

## Reference



## Journaling apps



## Project Plan:

- Define Expected Product
- Design Models
  - (Conceptual, Logical, Physical)
- Create User Interface
- Data Testing
- Explore Advanced Features

## Objectives:

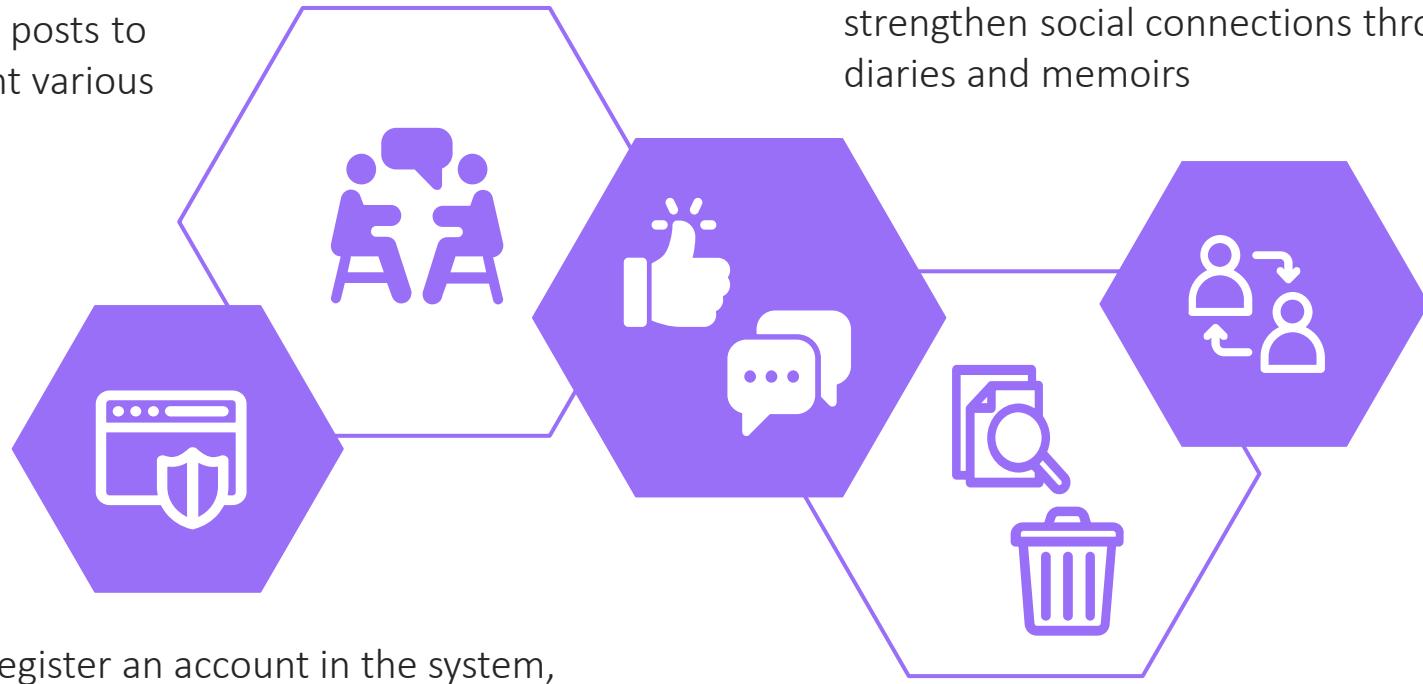
- Develop User-Friendly System
- Integrate Multimedia
- Design Efficient Structure
- Explore Advanced Features
- Create Intuitive User Interface
- Conduct Real Data Testing

## Tools:

- SQL
- Django



Our system mainly relies on the relationship between users and posts to implement various functions



Through this platform, users can express their personalities and strengthen social connections through diaries and memoirs

Users can register an account in the system, publish personal posts, and set the range of users who can see these posts.

Emphasis design of data structure and query operations to implement key functions such as add, delete, edit and search.

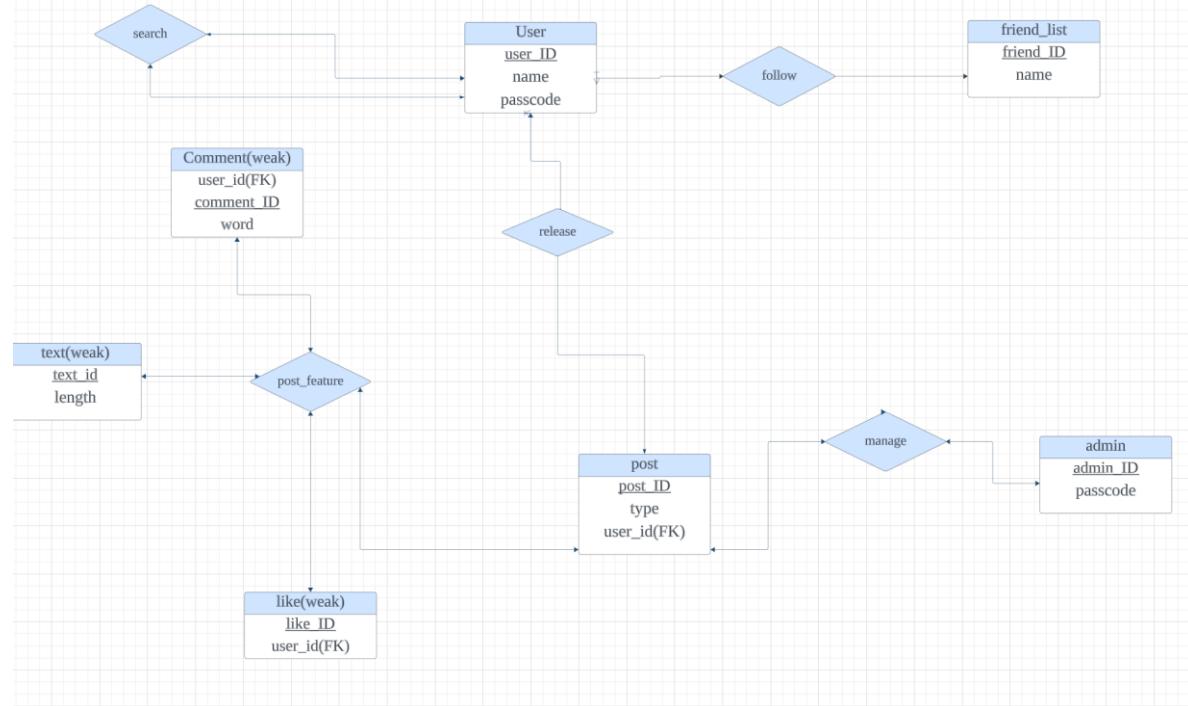
# System development

main framework: Django

create account



- release posts
- remark on other posts
- Search for/follow other users
- Administer posts or users



function testing of our webpage system

- user registration
- posting
- comment
- gives a thumb up for a post
- admin management

Memoirs

Log in

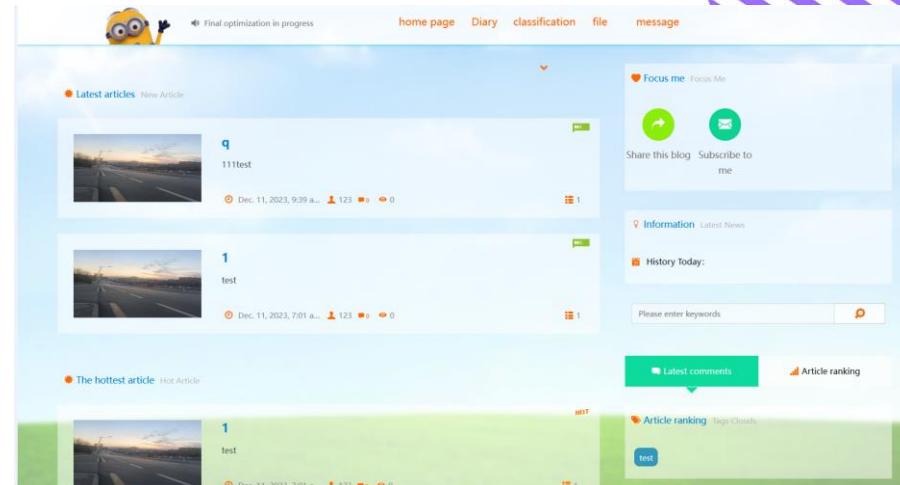
Username

Password

Login

Not registered? Create a account

Register

A screenshot of the 'Diary backend management' interface. At the top, there's a header with 'Diary backend management', a search bar, and user info ('Welcome, 123'). Below the header, there's a sidebar with 'Administration', 'Authentication and Authorization', 'Diary Information' (which is selected and highlighted in blue), and 'User information'. The main area shows a table titled 'Diary Information' with columns: 'diarytext', 'textclassification', 'author', 'Createtime', 'Number of Reads', 'Number of comments', and 'tag'. There are two entries in the table:

diarytext	textclassification	author	Createtime	Number of Reads	Number of comments	tag
q	1	123	Dec. 11, 2023, 9:39 a.m.	0	0	test
1	1	123	Dec. 11, 2023, 7:01 a.m.	0	0	test

A green button at the bottom left says '0 of 2 selected'. At the bottom right, there are buttons for 'Add Diary Information', 'Export', 'Columns', and 'grid'.

# Concluding remarks and future work

Our project realizes the main functions of a social media posts with the help of database system. It can support the user to log in and release some personalized posts with pictures or texts.

In future, more work can be done in order to realize more advanced functions.

- post videos
- efficient search
- set visible range of a post



**THE END**  
**THANKS**