# Assignment Web Similarity Analysis

## Generated on 2025-04-30 15:50:43

## Executive Summary

**Overall Web Similarity Score:** 5%

**Assessment:** Very low overall similarity. The assignment primarily focuses on database design and implementation for a pet adoption system, while the web sources discuss unrelated topics or provide code snippets for different pet-related applications. The few minor similarities found relate to common terms in the domain of pet adoption or general database concepts.

**Conclusion:** The assignment demonstrates original work. The identified similarities are either generic terms related to pet adoption or database management, or they are based on common database table naming conventions. There is no evidence of plagiarism from the provided web sources. The student's work focuses on a practical implementation of database concepts, going beyond the theoretical discussions found in some of the sources. The overall structure and specific SQL commands in the assignment are unique and not copied from the provided web content.

## Web Sources Analyzed

| Source URL | Similarity Score |
|---|---|
| https://www.chegg.com/homework-help/questions-and-answers/write-sql-statement-display-columns-rows-pet-use-th | <font color='green'>20.69%</font> |
| https://discuss.codecademy.com/t/i-need-help-with-adopt-a-pet-exercise-from-introduction-to-flask/601701 | <font color='green'>6.12%</font> |
| https://www.chegg.com/homework-help/questions-and-answers/normalization-exercise-1-petid-pet-name-246-rover-h | <font color='green'>9.46%</font> |
| https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534178 | <font color='green'>13.0%</font> |
| https://www.ebay.com/itm/405532039523 | <font color='green'>16.66%</font> |

## Detailed Content Matches

### *Match 1 - Similar Content (60%)*

**Assignment:** Pet Adoption Database

**Source:** https://discuss.codecademy.com/t/i-need-help-with-adopt-a-pet-exercise-from-introduction-to-flask/601701

**Source Text:** Adopt a Pet

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### *Match 2 - Similar Content (70%)*

**Assignment:** PET Table

**Source:** https://www.chegg.com/homework-help/questions-and-answers/write-sql-statement-display-columns-rows-pet-use-theasterisk-notation-32-write-sql-stateme-q54103924

**Source Text:** PET

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### *Match 3 - Similar Content (70%)*

**Assignment:** PET Table

**Source:** https://www.chegg.com/homework-help/questions-and-answers/normalization-exercise-1-petid-pet-name-246-rover-health-history-report-pet-type-pet-age-o-q90689598

**Source Text:** PETID, PET NAME, PET TYPE, PET AGE

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## *Match 4 - Common Knowledge (100%)*

**Assignment:** pet

**Source:** https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170

**Source Text:** pet

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## *Match 5 - Common Knowledge (20%)*

**Assignment:** Create Tables

**Source:** https://www.chegg.com/homework-help/questions-and-answers/write-sql-statement-display-columns-rows-pet-use-theasterisk-notation-32-write-sql-stateme-q54103924

**Source Text:** SQL statement

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# Full Assignment with Highlighted Plagiarism

*Sections highlighted in yellow with red text indicate potential plagiarism.*

DATABASE SYSTEMS MINI PROJECT
A Report Submitted to the

Department of Electrical and Information Engineering
Faculty of Engineering
University of Ruhuna
Sri Lanka
on 9th of April 2024

In completing an assignment for the module ECE 4350
Database Systems
By

EG/2021/4432

:

BANDARA KMTON

EG/2021/4433

:

BANDARA LRTD

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*Source: https://www.chegg.com/homework-help/questions-and-answers/normalization-exercise-1-petid-pet-name-246-rover-health-history-report-pet-type-pet-age-o-q90689598*

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*


Part A Relational Database

## 1.1 Chapter 1 Requirement Analysis

### 1.1.1 Functional Requirements

During this project it is clearly understand whether the relationship has build up upon the pet adoption

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

centre. Initially concluded that the entities, attributes and the relationships where the database of pet

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

adoption which is deals with the adopters and also the pet availability . here used the conceptual database

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

model while these process it has converted the conceptual representation into the logical structure of

database through the normalization process. In these database it was used the MySql to represent the

physical structure of the database on Pet_-Adoption.

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First identify the user under the categories as adopters, admin, employees as well as the personal details of them.

As the main relationship is occurred with the users with the pet which are under adopted or they

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

has still live in this centre as well as including with the details of the pets availability.

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

Considering pet entity it mainly focused on their health issues from that there has stored data as

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

vet visit details , as well as the medical history of those animals.

When considering about the pet adoption centre it has direct relationship with the users and

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

transactions whom are adopters, or the donators it will be transacted with. As well as it includes the financial also it provides that it has mainly income of it.

Considering about the user there is a entity named shelter where it was managed or worked employees in the adoption centres where they has spread over the country.

It can be a user as an adopter or willing to be an adopter so that there is an opportunity to showcase the abilities of their pets or can watch the abilities of the pets and can be get a dicision

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

of think of the adoption.

As an adopter there is a main service provide here that is can be get veterinary services under the various vets' supervision.

1.1.2 Data Requirements

Considering about these database it can be identified as basically 8 entities and that was consistence with 2 weak entities also. Others are named as strong entities. All the entities and the attributes of the database is provided below.

➢ Strong entities and attributes

1. User

User_ID

Name

Contact_No

Email

Adress

Reg_Date

2. PET

Pet_ID

User_ID

Pet_Name

Pet_Type

Age
Date of birth
Breed
Availability
3. Transaction

Trans_ID
User_ID
Vet_ID
Trans_Date
Amount
Trans_Type
4. Financial
Amount
Trans_ID
User_ID
5. Event
Event_ID
Event_Name
Event_Date
User_ID
Event_Location
6. Vetanary
Vet_ID
Vet_Name
User_ID
V_Date
Pet_ID
Medicine
7. Vet_Visit
Vetvisit_ID
Vet_ID
Visit_Date
Reason
Vet_Name
Pet_ID
➢ Weak entites and attributes
1. Medical_History
History_ID
Pet_ID
Pre_Date
Details
2. Comments



Figure 1: Entity Relationship Diagram of the Pet Adoption Database

Figure 85: TUNING 1 (sum of the transactions)

2. TUNING 2 (user whose has adopted and participated events)

Figure 86: Tuning 2 (User Whose Has Adopted And Participated Events)(1)

Figure 87: tuning 2 (user whose has adopted and participated events)(2)

3. TUNING 3 (union of transactions underadoption and donations)

Figure 88: TUNING 3 (Union Of Transactions Underadoption And Donations)(1)

Figure 89: TUNING 3 (union of transactions underadoption and donations)(2)

4. TUNING 4 (creation pf union of views)

Figure 90: TUNING 4 (creation pf union of views)

5. TUNING 5 (cont how many userswho have adopt more than one pet)

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

Figure 91: TUNING 5 (cont how many userswho have adopt more than one pet)

*Source: https://discuss.codecademy.com/t/adopt-a-pet-task-14-keyerror-pet-type/534170*

6. TUNING 6

Figure 92: Tunning 6

7. TUNING 7

Figure 93: Tuning 7

8. TUNING8

Figure 94: Tuning 8

9. TUNING 9

Figure 95: tuning 9

10 . TUNING 10

Figure 96: Tuning 10

# Analysis Methodology

**Web Similarity Analysis Method:** This report analyzes the similarity between a student assignment and web content using multiple approaches:

1. **Basic similarity analysis** using TF-IDF vectorization and cosine similarity metrics to calculate statistical similarity between texts.
2. **Advanced semantic analysis** using Google's Gemini AI to identify conceptual similarities, common phrases, and potential plagiarism patterns.
3. **Source verification** by analyzing multiple sources to distinguish between common knowledge and unique content.

**Interpretation Guide:**

- 0-15%: Very low similarity - Likely original content
- 16-30%: Low similarity - Contains common phrases but largely original
- 31-50%: Moderate similarity - May contain some paraphrased content
- 51-70%: High similarity - Contains substantial similar content
- 71-100%: Very high similarity - Significant portions may be unoriginal

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*Disclaimer: This automated similarity analysis provides an approximation of content similarity against web sources. Results should be interpreted by a human reviewer for context-appropriate assessment. Common knowledge, standard phrases, and coincidental matches may be flagged and require human judgment.*