FOUNDIT

DATADUDES

Contents:

Purpose

- Traditional lost and found systems usually consists of writing in a logbook, which is unorganized and hard to follow.
- Our system attempts to solve that by being in a digital space.
- Found IT is a lost and found system that instantly updates whenever a item is found or claimed.

Features

- Users can report a found item.
- And the rightful owner of that item can claim their item.
- Item tacking with tables to represent lost items with basic information like, date found, where it was found, and who it was found by.

Problem statement & Project objectives

PROBLEM

- The current lost and found process is manual, decentralized, and inefficient.
- Staff rely on paper logs and verbal reports, causing low cross-referencing accuracy and delayed notifications.
- These issues lead to a low recovery rate, owner frustration, added workload for administrative staff, and a buildup of unclaimed items.

OBJECTIVES

- Implement a centralized and secure digital platform with a self-hosted database for logging lost and found reports.
- Use a data comparison function to cross-reference key details and increase successful item retrieval.
- Improve user satisfaction with a simple reporting web form and enforce accountability through staff verification and secure digital logging.

Proposed Methodology

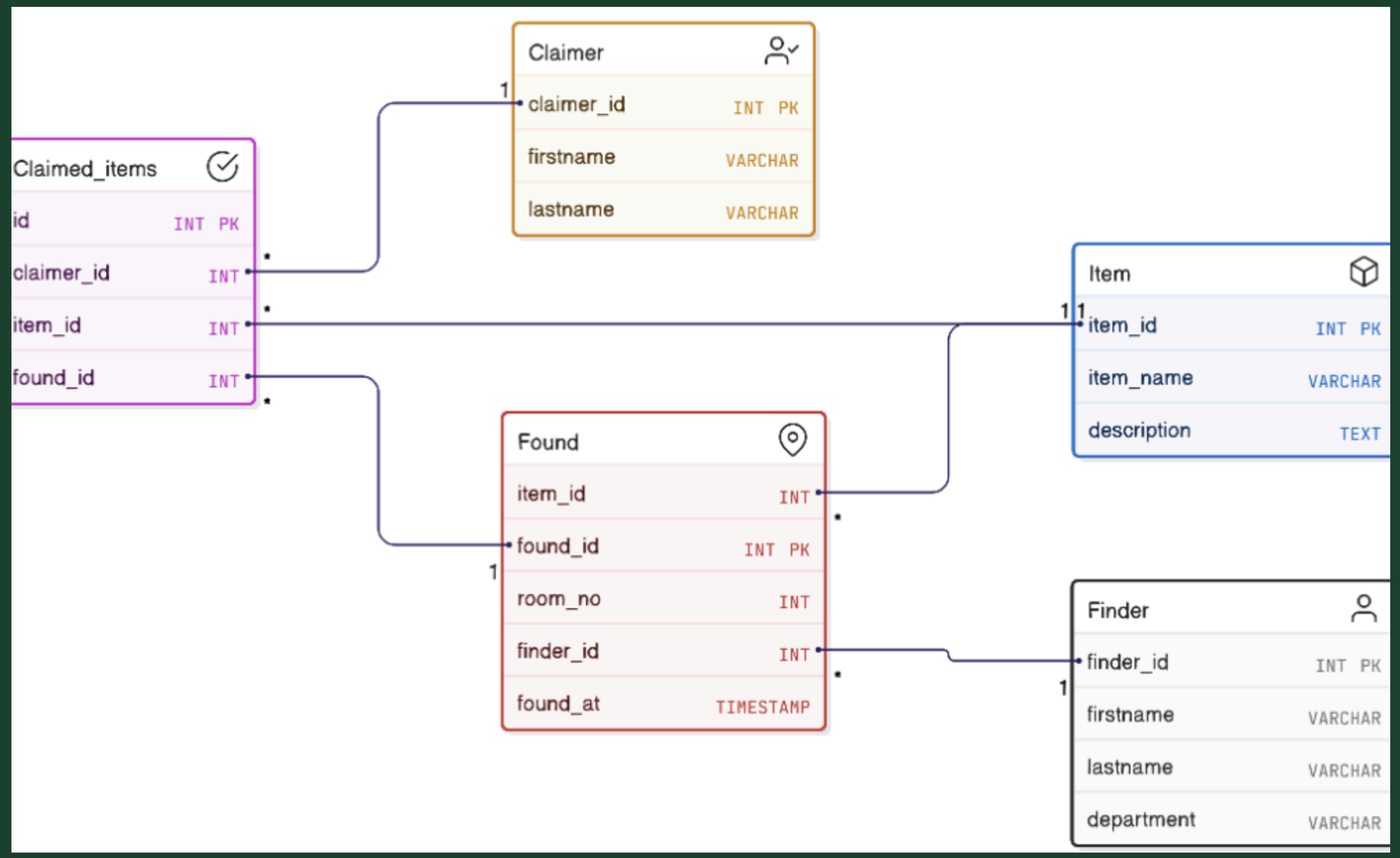
WATERFALL MODEL

- Follows a linear, structured process with phases: requirement analysis, system design, implementation, testing, deployment, and maintenance.
- Ensures each phase is completed before moving to the next, promoting clear documentation and organized development.

TWO-TIER ARCHITECTURE

- Client Layer: Handles user interface and user interactions.
- Server Layer: Processes requests, applies business logic, and manages database operations.
- Improves performance, scalability, and reliability while keeping layers separated for easier maintenance and future updates.

DATA DESIGN



Claimer: Individuals who claim lost items

Finder:Individuals who report found items

Item: Objects that are reported lost or found

Found: Details about where, when, and by whom an item was found

Claimed_Items: Connects the claimer, found record, and item during the claiming process

System Architecture

THREE-TIER ARCHITECTURE: PRESENTATION LAYER, APPLICATION LAYER, AND DATA LAYER FOR SCALABILITY, MODULARITY, AND EASY MAINTENANCE.

Presentation Layer

Technologies: HTML, CSS, JavaScript

- Provides the user interface via web browser.
- Users can report lost/found items and view item lists.
- Ensures accessibility, interactivity, and responsive design.

Application Layer

Technology: PHP

- Handles processing, validation, and system logic.
- Manages authentication, form validation, and CRUD operations.
- Enforces business rules
- Integrates well with MySQL and supports fast development.

Data Layer

Technology: MySQL / phpMyAdmin

- Stores and organizes all system data.
- Uses primary and foreign keys to enforce relationships.
- Supports efficient queries and secure data management.
- Lightweight, reliable, and easy to maintain through phpMyAdmin.

TABLE: claimer

Field Name	Data Type	Format	Size	Description	Example
claimer_id	**INT (PK)**	Numeric (PK)	**11**	Unique Identifier for each claimer	**1001**
firstname	**VARCHAR**	Text	**25**	Claimer's first name	**Joshua**
lastname	**VARCHAR**	Text	**25**	Claimer's Last name	**Yadao**

Stores claimant information.

Each claimer may have multiple claims.

TABLE: finder

Field Name	Data Type	Format	Size	Description	Example
finder_id	**INT (PK)**	Numeric (PK)	**11**	Unique Identifier for each finder	**2001**
firstname	**VARCHAR**	Text	**25**	Finder's first name	**Joshua**
lastname	**VARCHAR**	Text	**25**	Finder's Last name	**Yadao**
department	**VARCHAR**	Text	**25**	Department or office of the finder	**IT Department**

Stores information about individuals who report found items.

TABLE: item

Field Name	Data Type	Format	Size	Description	Example
item_id	**INT (PK)**	Numeric (PK)	**11**	Unique Identifier for each finder	**3001**
item_name	**VARCHAR**	Text	**25**	Name or label of the found item	**Umbrella**
description	**TEXT**	Text	**255**	Brief description or distinguishing details of the item	**Pink umbrella**

- Contains all lost or found item records.

TABLE: found

Field Name	Data Type	Format	Size	Description	Example
found_id	**INT (PK)**	Numeric (PK)	**11**	Unique Identifier for each finder	**4001**
item_id	**INT (FK)**	Numeric	**11**	The ID of the found item	**3001**
room_no	**INT**	Numeric	**11**	Room number where the item was found	**204**
finder_id	**INT (FK)**	Numeric	**11**	ID of the founder	**2001**
found_at	**TIMESTAMP**	yyyy-mm-dd hh:mm:ss	**-**	Date and time when item was found	**2025-10-07 09:30:00**

Logs details about when, where, and by whom an item was found.

Thank You For Listening

PREPARED BY:

Molina, Joshua Ali

Galigo, Allen

Pakias, Philip Khaizer

Mahusay, Divine Mars

Langgook, Ken

Billick, Jeremiah