

Project Milestone 4

CU PD Lost & Found Web Application

Stackoverflowers - Team 7 - Section 101

Andrew Settergren, Alex Sorensen, Ian Wong, Niccole Fox, Kelsey Valencia

October 30th, 2020

1 Revised List of Features

1. **Post Listing for Lost or Found Items** - Includes ability to post, edit, and delete listings for both students and faculty.
2. **Add Photos to Listings** - Users should add at least one photo from their camera roll or the built-in camera feature to make the item recognizable.
3. **Add Photos to Listings** - Browse both the lost and found listings using search terms: type, color, date found, and/or location found.
4. **Create Account, Login** - Users will have the ability (option) to create an account with their Identikey. An account is required to recover a lost item, but users may browse lost and found items without an account.
5. **Locate Lost & Found Offices** - Users may locate the closest office to turn in a found item or pick up a lost item.
6. **Receive Notifications** - Users may opt-in to receive lost and/or found notifications for items matching a description they choose.
7. **Verify Identity** - Faculty will verify the identity of claimants using their account information (they must have an active account).

2 Architecture Diagram

Front-End (HTML/CSS)

Lost and Found Page

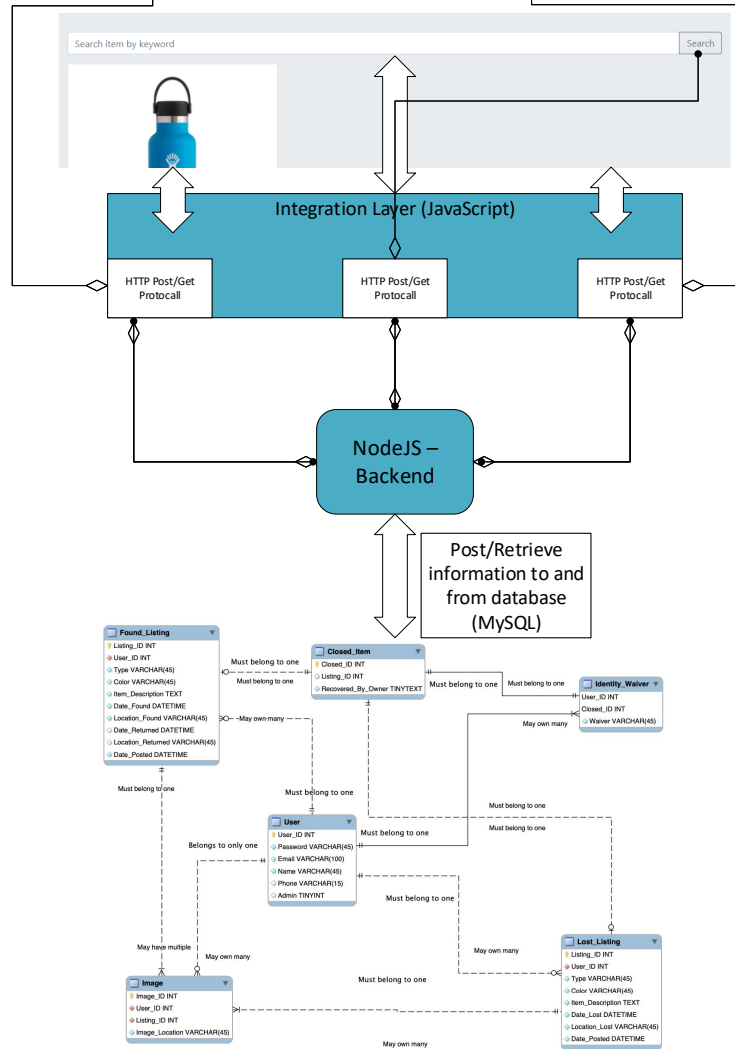
Have you lost or found an item laying around campus recently? If so, please look below to find out information on how you can help students find lost items or to search for items you have lost on campus.

This section is meant for users that have lost an item and would like to begin a search for their lost item.

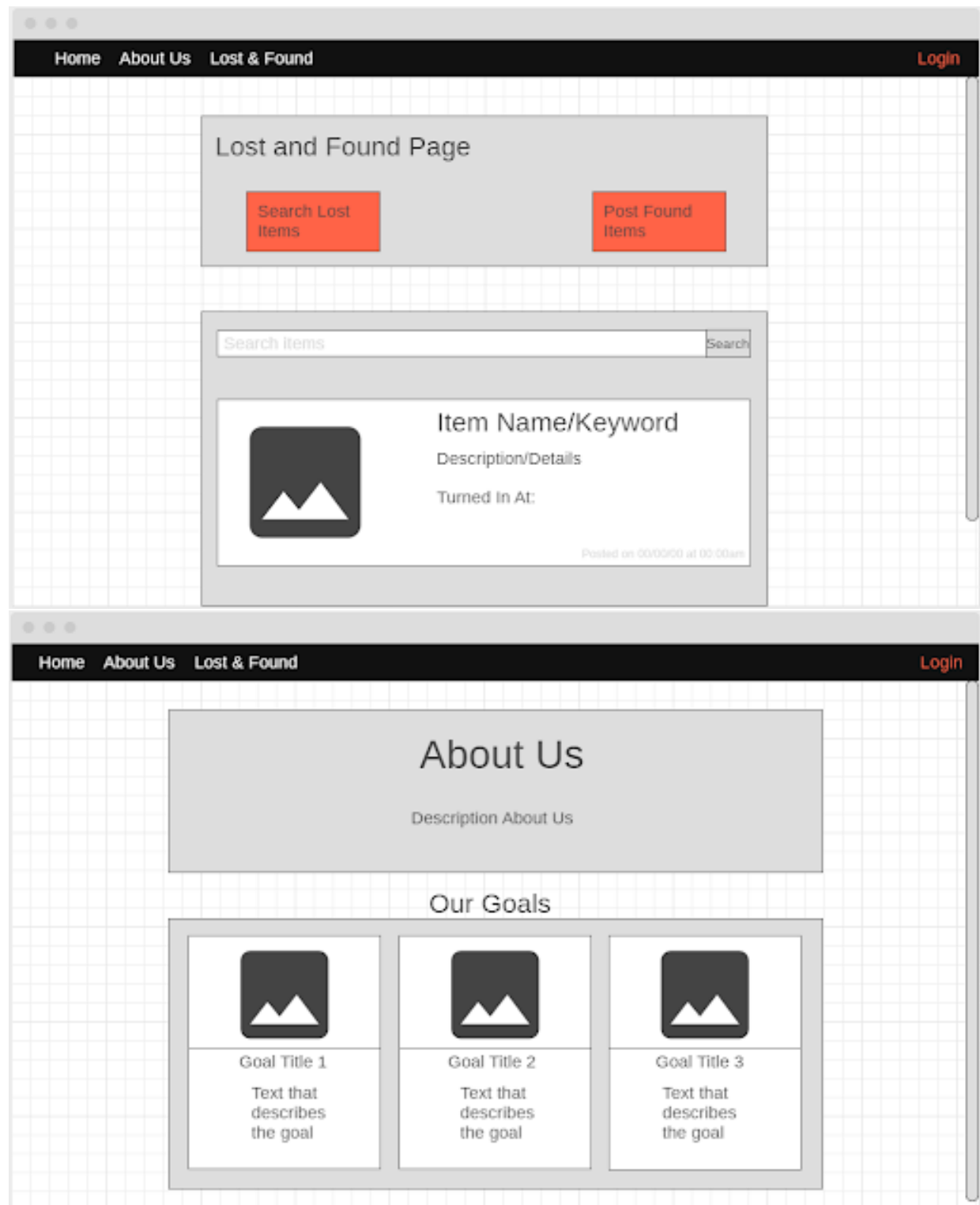
Search Lost Items

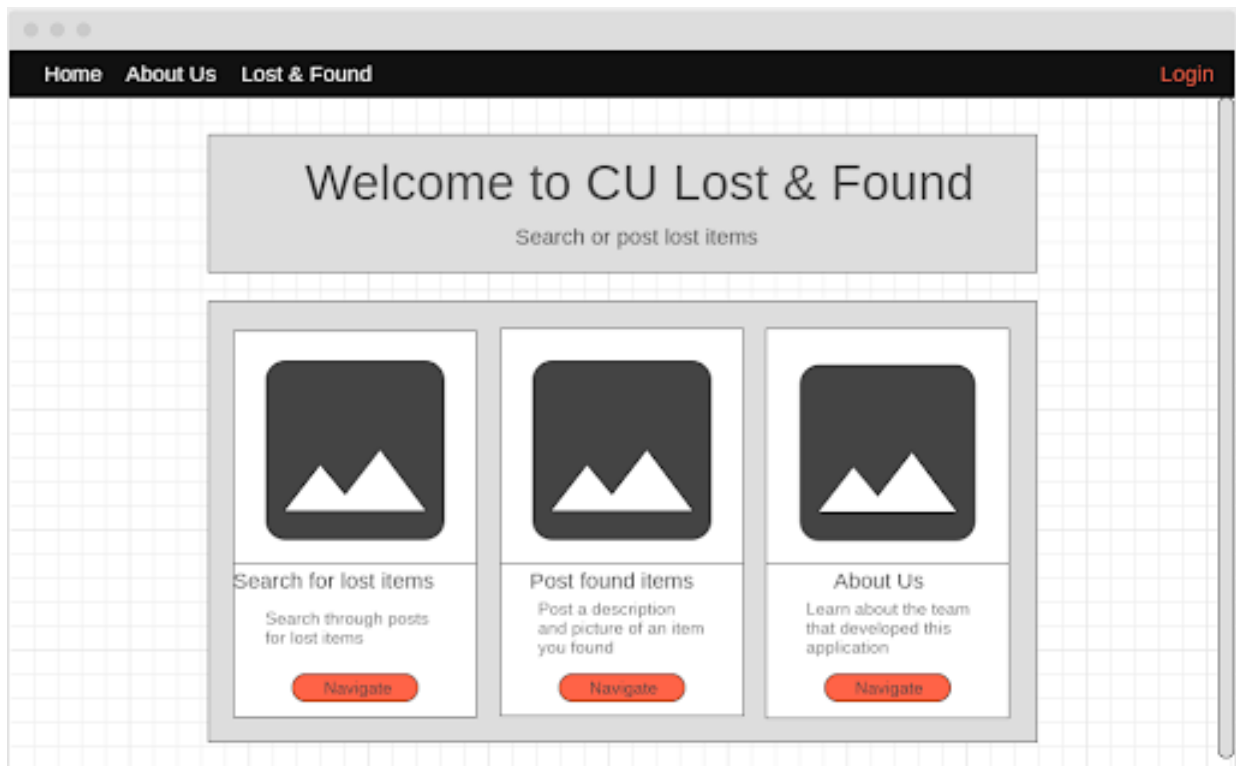
This section is meant for users that have found an item and would like to post a listing of the found item.

Post Found Items



3 Front End Design



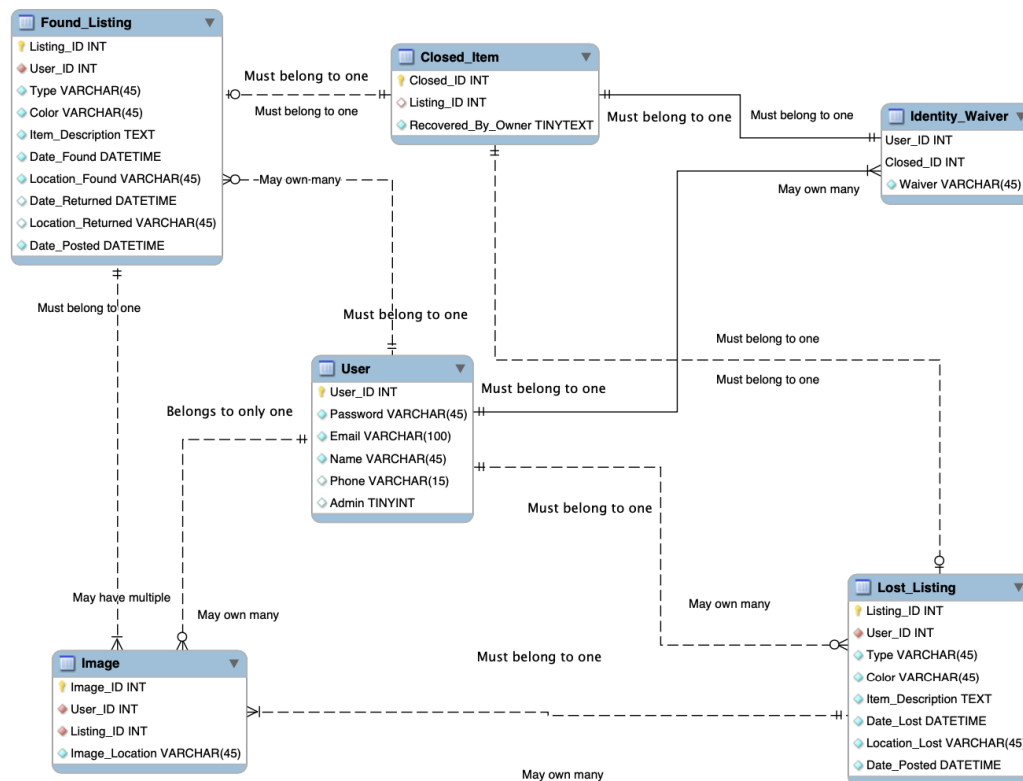


4 Web Service Design

We are not planning on using an API for our project.

5 Database Design

1. The database was designed using MySQL (combined with MySQL Workbench).
2. Primary keys identified by the "key" symbol.
3. Foreign keys identified by the "red diamond" symbol.
4. NOT NULL attributes identified by the "blue diamond" symbol..
5. NULL ok attributes identified by the "white diamond" symbol.
6. Tables designed for posting lost and found items. Once an item is recovered, a record will be kept of the original listing, the person who claimed it, and the waiver they will be required to sign.



6 Individual Contributions

Alex - Designing final HTML and CSS for our webpages with Andrew, implementing javascript functionality to web pages (mainly the lost_and_found main page), which will later be linked with our database. Recent Github Commit

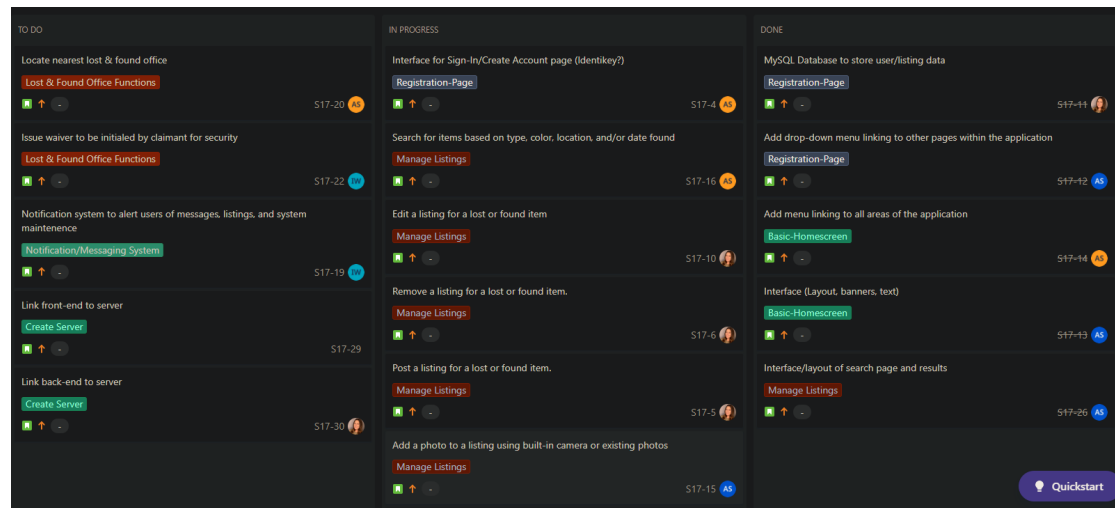
Andrew - Designing final HTML and CSS for our webpages with Alex, implementing javascript functionality to web pages (mainly the lost_and_found main page), which will later be linked with our database. Recent Github Commit

Ian - Worked on the wireframe for the index page, continued with learning Angular and now working on trying to figure out NodeJS Recent Github Commit

Nikkii - Created the database and data model using MySQL (MySQL Workbench). Wrote queries for inserting items into tables. Tested and experimented with PHP and NodeJS as a way to connect to our server. Recent Github Commit

Kelsey -

7 Jira Dashboard



8 Challenges

1. One of our biggest challenges is working with a client whose timeline may not line up with the timeframe of this class. To mitigate this issue, we are making our piece of web software in HTML/CSS before going into Angular, so even if the client timeline doesn't match up, we will still have something to turn in.
2. Another challenge is figuring out how to use Angular for our project. Again, the software will be made in HTML/CSS first in order to have a working product before it is translated into Angular.
3. The final challenge is figuring out how to host the database with all the information regarding the listings. The current plan is to find a way to host it locally, just on someone's computer, but this is currently subject to change.