Thendral Prabu

Assignment 2-C: Analysis and Design

CSC 415-02

Server Name: student1@csc415-server42.hpc.tcnj.edu
Server Password: swords12
Directory: vm-csc415/assn-two/CCH
GitHub: https://github.com/theprab/CCH

Project Title: Community Collective for Homelessness

Use Case Descriptions

Use Case: *Adding a requested item to the site*

Description: An administrator or homeless shelter employee can add an item that the shelter needs to the website once they have logged into their website with their credentials. Visitors to the website can then view data about the listed items on the website, such as how urgently the shelter needs them and in how much quantity they are requested, and donate them at designated locations.

Use Case: *Removing an item from the site after its donation*

Description: After logging in, an administrator or homeless shelter employee can remove an item from the website to note that the items that they needed have been donated and are, therefore, no longer needed.

Use Case: *View information on requested items*

Description: All users accessing the site will be able to see the data on the items that the shelter requested. The list displays the quantity of the item needed, how urgently it is needed, and the locations it can be dropped off at.

Use Case: *View drop box information*

Description: All users can view a list of drop boxes at which benefactors can donate any of the items the shelter has requested. The data for the drop boxes displays what types of items can be dropped off and where these drop boxes are located.

Use Case: *View shelter information*

Description: All site users can view the shelter's hours, location, and their contact information. The data for the shelter and their website information is linked here for users to access.

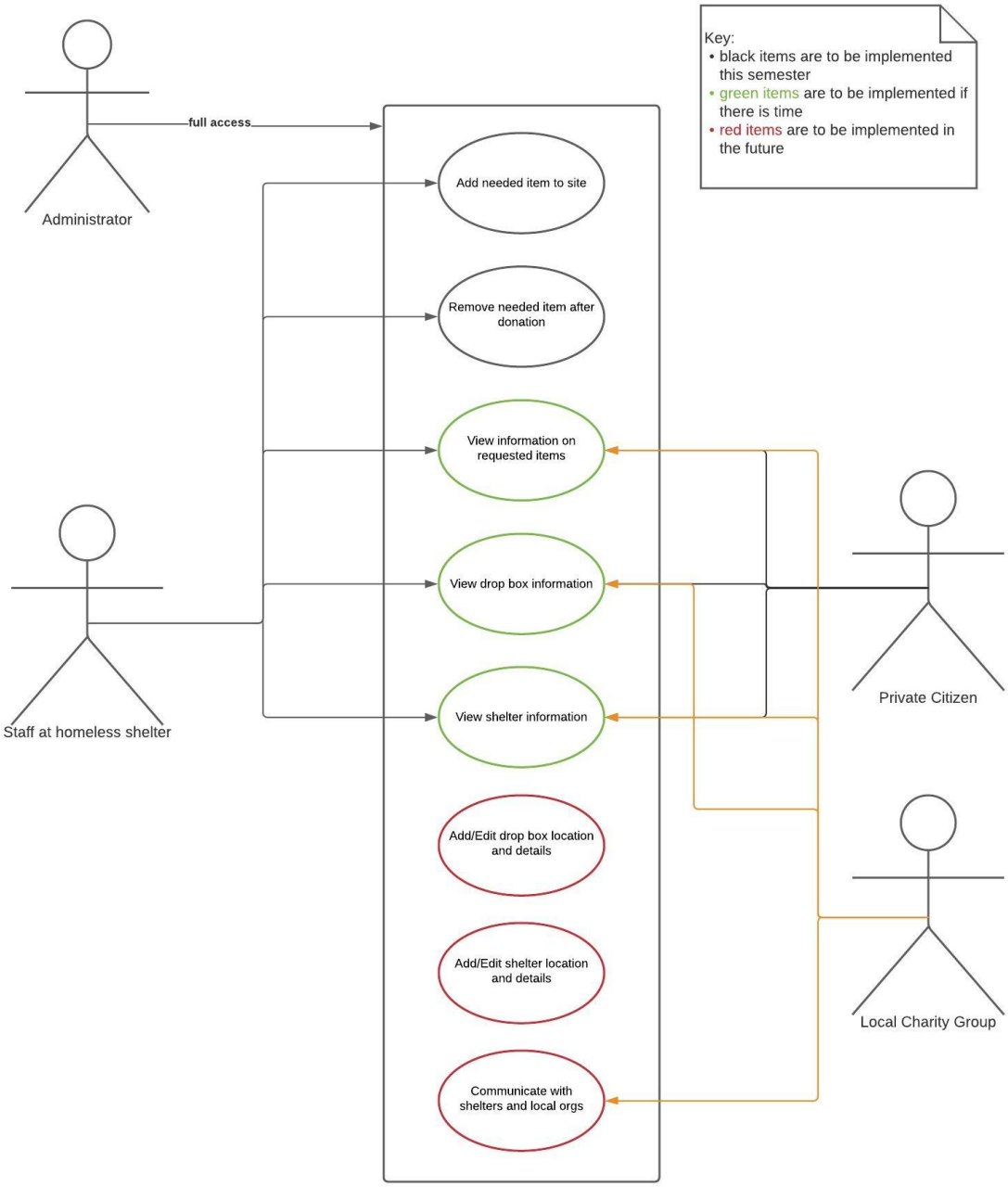
Test Case Design

Functionality Tested	*Inputs*	*Expected Outputs*	*Actual Outputs*
Editing item data while unauthenticated	User accesses "Administrative access" page	"Sign Up or Sign In for Access"; Directed to Log In Page	
Adding a requested item to the site	User inputs: Name of item; Quantity of item; Locations item can be dropped off	"Upload Successful"; Return to Welcome Page	
Adding a requested item to the site	User inputs: Name of item	"Upload Successful"; Return to Welcome Page	
Removing a donated item from the site	User inputs: Name of the item; "Are you sure you want to remove this item? Yes/No"	"Removal Successful"; Return to Welcome Page	

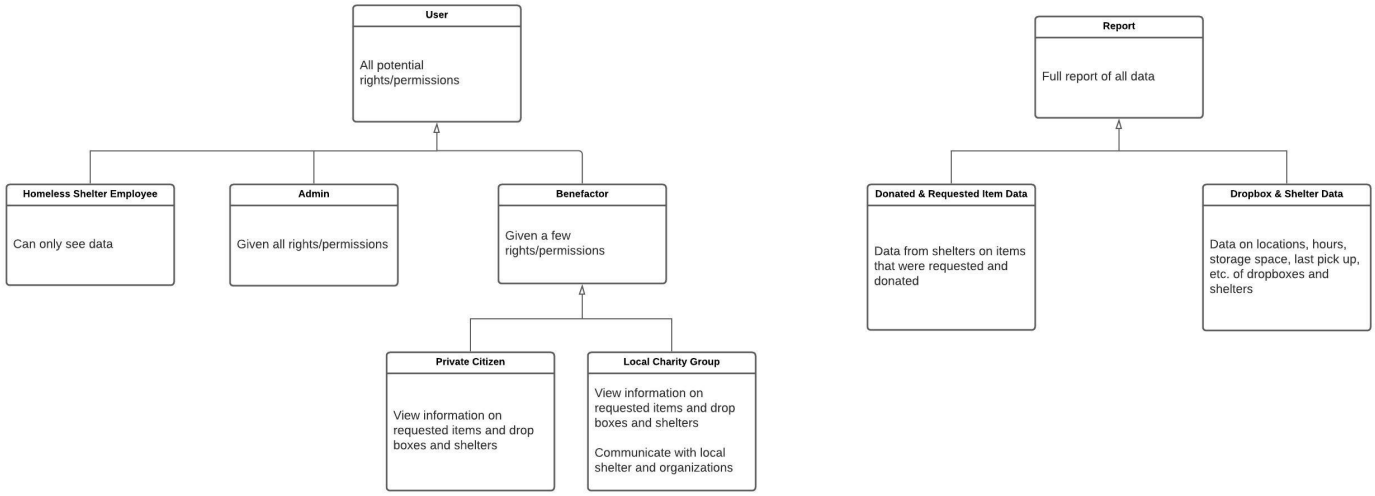
Logging into the site as admin or employee	User inputs: Username; Password	“Login Successful”; Directed to Administrative Access Page	

Once authenticated, users will be able to add or remove items from the site, and for testing purposes, if all fields but the name field are empty when the item is added, the functionality will still work. When removing an item, the system will require the name of the item to be removed and typed out confirmation that the user wants to remove the item.

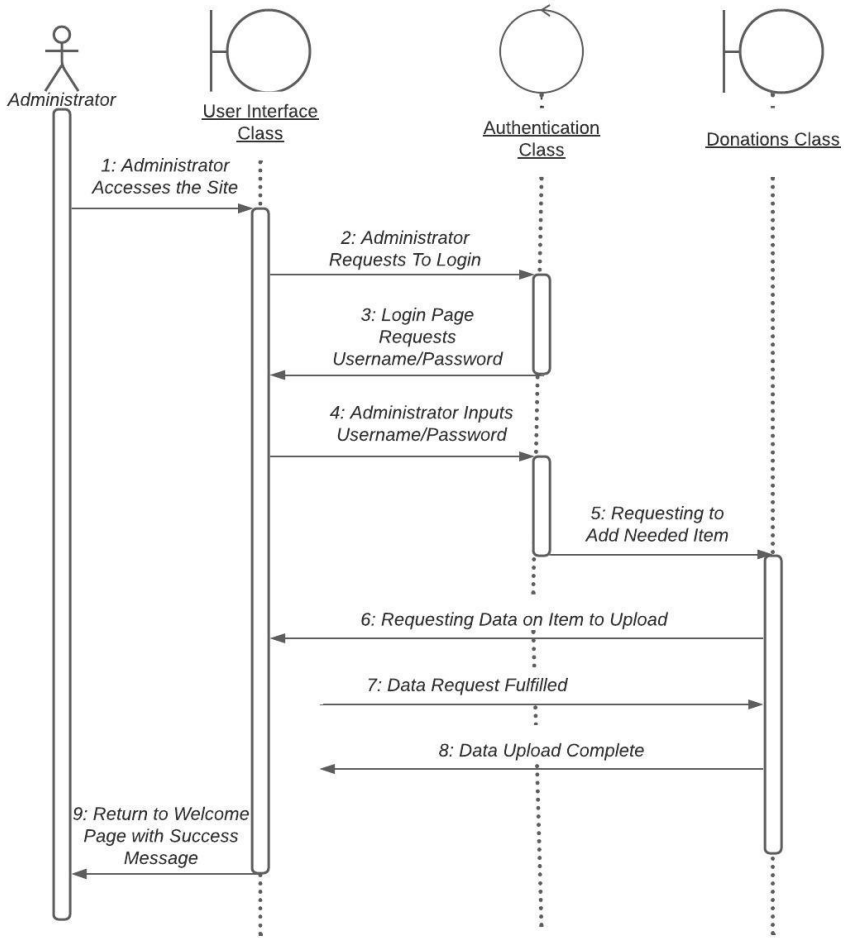
Use Case Diagram

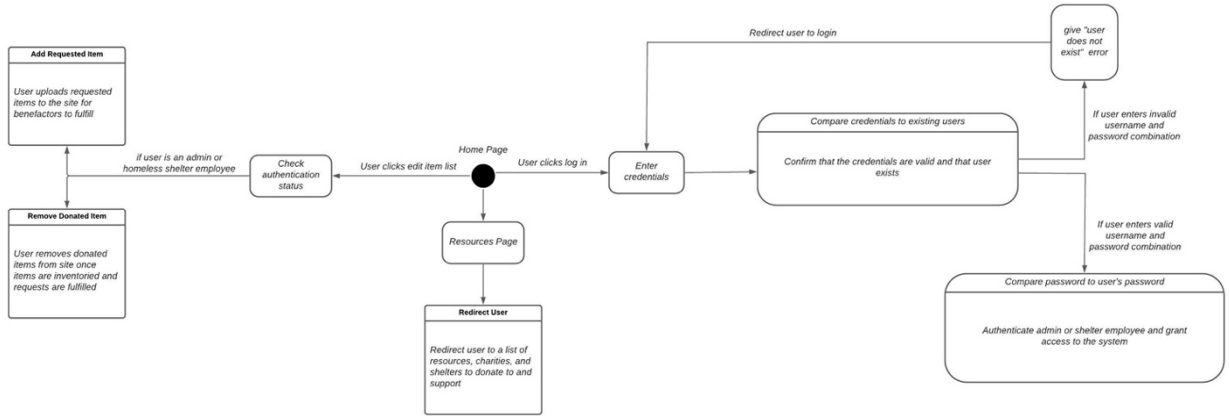


Analysis Class Diagram



System Sequence Diagram



The process of removing donated items from the site looks similar but does not include step 6. The item has to be removed upon donation has already been provided and can be removed.

State Diagram