

## Project Milestone 2

**Team Number:** 101-2

**Team Name:** Team Search and Rescue

**Team Members:** Devin Murray, Namita Pasupuleti, Omar Kaheel, James Singer, Amaica Webb, Marissa Zuyus

### Project Features and Requirements:

- Login/logout - Users login on the front page to the app with IdentiKey to use the app.
  - Functional requirement: Users should be able to login in and logout of their account when using the app.
  - Nonfunctional requirement: Logging in should take at least as long as the Federated Identity Service takes
- Verify Account - people can only use the app if their account is verified (i.e. if they have an IdentiKey)
  - Functional: Logging in with IdentiKey should verify if the user can use the app
  - Nonfunctional: Verifying a user's account should take at least as long as the Federated Identity Service takes
- Load page of options - Add item, Search for items, or edit account info is displayed to the user
- Add item - Ability to upload a picture, description, location found, as well as any other pertinent information about the item that can be public or private. A set of requirements if this more sensitive information is required as proof for ownership of more valuable items.
  - Functional requirements: Users should be able to upload pictures, descriptions, locations, dates, and other critical information. This information should be editable.
  - Non-functional: This information should be formatted to a style and displayed concurrently with all other information on the item. If the date can load all other traits on the item should load.
- Search For item - Search by name, item type, location, or date.
  - Functional: Users may enter criteria in a search bar which will queue the database for all pertinent lost items.
  - Non-functional: They should be sorted alphanumerically, by date descending, location descending (NW to SE), and displayed in a reasonable amount of time (<1 minute).
- Display lost Items - Use the search function to display a list of lost items.
- Display item - Displays any information the poster feels is necessary to share about the item as well as what is required for more information on a sensitive item.
- Map of campus/buildings - Using a coordinate system and a campus map users can place pins on locations they've lost or found an item. Users will drop a pin on an x-y system and the
- Close a found item - when an item is found, the item will be closed so the item isn't shown as lost forever, and so the found item doesn't use up necessary space

- Functional: System should close an item and delete it once it is marked as found
- Non-functional: Closing/deleting the item must free up space in the system and deleted from the system's memory
- Claim item - Send a description to the posting user. Posting user's message vector is incremented with an item claim.
- Accept and/or decline lost item claim - For sensitive items, a user can message the poster and the poster may accept or decline the requirements set in the posting. Even if they do not meet the specific requirements if they give passable information they can be approved. View the item claim and pass or fail the claim. This gives the user claiming the item the credentials to view or not view more information.
  - Functional requirements: The user that found the item should be able to communicate with the user claiming the item enough to decide if the information describing where/how to get the item should be revealed
  - Nonfunctional requirements:
- Reveal or share of more info- If an item is something valuable like a wallet the finder can verify the information of the person claiming to have lost it before telling them where/how to meet them. If a user has elevated credentials for an item they may see more info. Called when items are displayed.
  - Functional requirements: The user looking for the item, after having been verified by the feature above, should gain access to more information about the lost item
  - Nonfunctional requirements: The user looking for the item should be able to view the sensitive information within 30 seconds of the finder making it available

### **Project Plan:**

*Login system: 1 week*

*Link to homepage: 1 Day*

*Home Page design (link functionality included): 1 week*

*Add item: 2 weeks*

*Search for items (return list of items): 3 days*

*Display items (from list): 1 week*

*Display a specific item: 2 days (possible, not necessary)*

*Create an interactive coordinate map system: 1 week*

*Close found item: 4 days*

*Claim item ticket: 1 week*

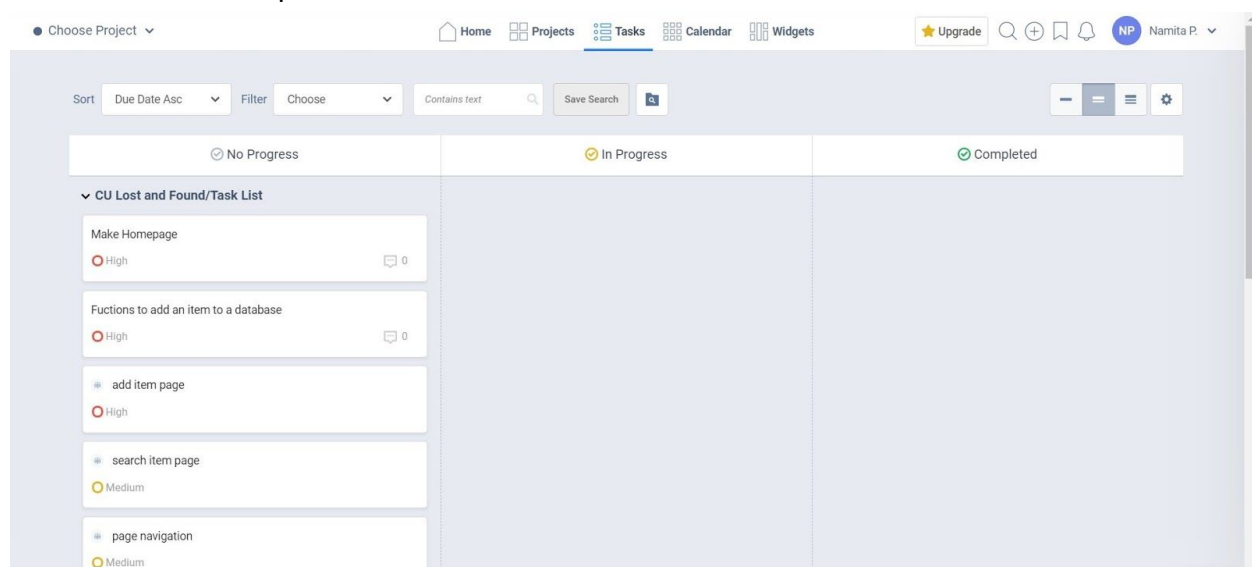
*Accept or Decline: 3 days*

*Reveal more info: 2 days*

## Order of Tasks:

1. Make a homepage, functions to add an item to a database
  - a. Homepage: Namita, Marissa, James
  - b. Database: Devin, Omar, Amaica
  - c. Due date: Feb 26th
2. Add item page, search item page, page navigation, search item return
  - a. Page design: entire group
  - b. Search item return: Devin, (anyone who isn't doing as much)
  - c. Due date: Add item page - Mar 2nd; Search item page, page navigation, search item return - Mar 9th
3. Display item from list
  - a. Marissa, Devin (on-call)
  - b. Due date: Mar 16
4. Making item claim, update user privileges (accept or deny a claim)
  - a. Making claim: James and Amaica
  - b. accept/deny claim: Namita, Omar, Marissa, Devin
  - c. Due date: April 6th
5. Reveal more item info, Display Specific item\*, close found item
  - a. Reveal more info and display specific item: Marissa, James, Amaica
  - b. Close found item: Devin, Namita, Omar
  - c. Due date: April 13th
6. Login Page and possible map
  - a. Group works on login page
  - b. If we have time, we can implement the map
  - c. Due Date: April 17th

## Kanban on freedcamp:



<div><div><div><div><div></div><div>search item return</div></div><div>Medium</div></div></div></div>		
<div><div><div><div><div></div><div>display item from list</div></div><div>Medium</div></div></div></div>		
<div><div><div><div><div></div><div>making item claim</div></div><div>Medium</div><div>0</div></div></div></div>		
<div><div><div><div><div></div><div>update user privileges (accept or deny a claim)</div></div><div>Medium</div><div>0</div></div></div></div>		
<div><div><div><div><div></div><div>reveal more item info</div></div><div>Low</div><div>0</div></div></div></div>		
<div><div><div><div><div></div><div>display specific item</div></div><div>Low</div><div>0</div></div></div></div>		
<div><div><div><div><div></div><div>close found item</div></div><div>Low</div><div>0</div></div></div></div>		
<div><div><div><div><div></div><div>login page</div></div></div></div></div>		