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# How the Problem Statement Changed

Original Problem Statement:

"Women in need do not have adequate access to facilities and services."



## How the Problem Statement Changed

Refined Problem Statement

"Women who are victims of domestic violence and homelessness do not have adequate access to facilities and services largely due to informational restraints.





#### **Refined Problem Statement:**

"Women who are victims of domestic violence and homelessness do not have adequate access to facilities and services largely due to informational restraints.

- 1. Narrowed down the "Users"
- 2. Specified the "Need of Users"
- 3. Suggested the "Solution":
- → Hence, we will remove informational restraint by providing users with:
  - accurate and updated information on facilities and shelters
  - map with accurate geolocations of different services







### Oasis stores users' data with Firebase backed by Google Cloud

- The credentials stored on bare-metal servers controlled by Firebase
  - o first name, last name, password, and email address
- Firebase Security Rules language
  - .read, .write, .validate
- To manipulate users' access to certain functionalities such as
  - o editing user profile information,
  - o deleting own user reviews,
  - o submitting shelter's official hours, contacts, pictures





## Security and Privacy Requirements



- Review of Shelters/Facilities
  - Users' contribution will be displayed to the public

- Users' name
  - Users will be given ability to choose a username when posting public reviews

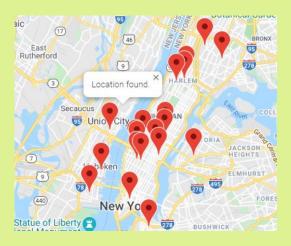
- Oasis Terms and Agreements upon registering for the account
  - Users will be asked to acknowledge the terms and agreements
  - User testings will be conducted to make sure that users feel comfortable upon registration





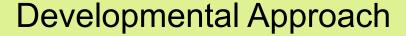
### Demo 1

- Simple search bar
- Bland marker icons
- Just a map



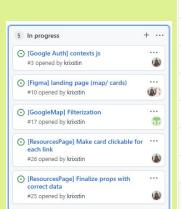
#### Demo 2

- Filtering section
- Map that can automatically generate markers
- Recognizable marker icons
- Marker info section





- Agile Methodology
- Issues to track user stories and software requirements
- Kanban Board to track progress and delegate responsibilities
- Weekly Standup Meetings to share progress
- Pair Programming to tackle larger tasks



⊙ [LandingPage] Location Filter for Map  #18 opened 20 days ago by Arceus1000
[Stakeholders] Google Form (questions for stakeholders)      #14 opened on Oct 7 by krixstin
○ [GoogleMap] setup #11 opened on Oct 5 by krixstin
(Figma] landing page (map/ cards)





#### Present

- Scope of API values and functions too narrow
- Inaccurate user location detection

#### Potential

 API key usage cost exceeding Google Cloud Platform credit limit

Cost	Discounts	Promotions and others	◆ Subtotal
\$2.89	-\$2.89	~	\$0.00





### **Usability Testing**

- Discovered a local user base through the Hoboken Shelter
- Stakeholder insisted that accessibility be optimized with regards to the elderly as well as people with dyslexia or autism



### Demo!

