

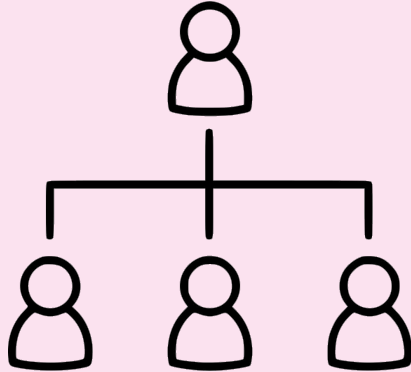
# TES Verify

Ben Jones, Brandon Lucas, Myles McLeroy, Marie Neubrander

# Sprint Focus



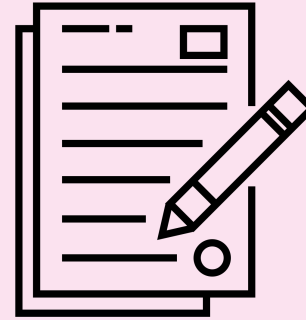
**Backend  
Migration**



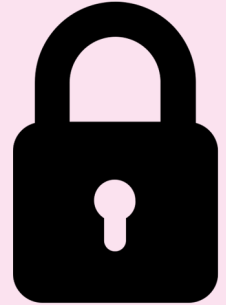
**User  
Roles**



**Manager  
Portal**



**Volunteer  
Form**



**Password  
Requirements**

# Sprint Goals - Part 1

- Migrate backend from Firebase Realtime Database to Cloud Firestore
- Implement role-based authentication (managers and volunteers)
- Design and implement account tables
- Manager portal to approve, deny, and edit volunteer records



# Sprint Goals - Part 2

- Create a volunteer application form
- Password requirements for creating an account
- Replace clock-in button with QR code scanner
- Name badge printing from app



# Sprint Achievements

- Demoed app progress to our clients at TES
  - Feedback on what we have created so far
  - Discussed future wants/needs for the app
- Migrated backend from Firebase Realtime Database to Cloud Firestore
- Implemented roles for managers and volunteers
- Designed and implemented account tables
- Volunteer application form available for managers to review
- Password requirements with visual strength bar

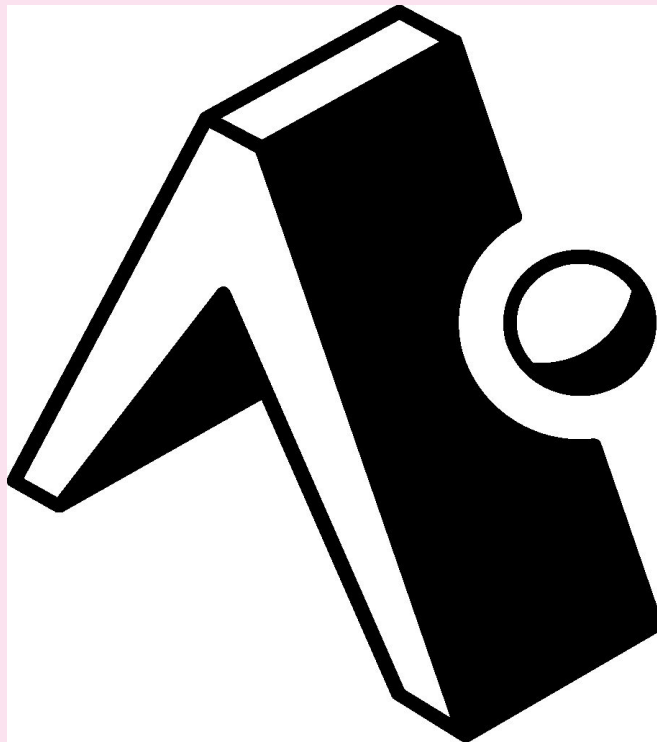
# What Wasn't Done and Lessons Learned

- Replace clock-in button with QR code scanner
  - Able to scan QR code, but no logic to clock-in from app
- Name badge printing from app
  - Researched various printers and APIs; determined it is not feasible to print from app

# Project and Sprint Backlogs

- Incorporate QR codes for check in and out
- Manager reports of hours by sex/ethnicity/person on a daily/weekly/monthly basis
- Export reports as PDFs
- Profile photo upload
- Volunteer hours aggregated by individual

# Demo Time





# Project Backlog

| ID | Story   | Estimation (hours) | Priority | Sprint When Finished |
|----|---|--------------------|----------|----------------------|
| 1  | Implement account table(s)                                  | 4                  | 1        | 2                    |
| 2  | Design account table(s)                                     | 4                  | 1        | 2                    |
| 3  | Get user location with Google Places API                    | 4                  | 1        | 1                    |
| 4  | Set up API keys   | 3                  | 1        | 1                    |
| 5  | Possibly updating to firestore                              | 15                 | 1        | 2                    |
| 6  | Manager override for clock in/out times                     | 8                  | 2        | 2                    |
| 7  | Design check-in/check-out system                            | 6                  | 2        | 1                    |
| 8  | Create an account form (unique usernames)                   | 4                  | 2        | 1                    |
| 9  | Implement check-in/check-out system on volunteer end        | 4                  | 2        | 1                    |
| 10 | Role-based authorization                                    | 6                  | 2        | 2                    |
| 11 | Apply to be a volunteer form                                | 15                 | 2        | 2                    |
| 12 | Implement check-in/check-out approval system on manager end | 10                 | 2        | 2                    |
| 13 | Page to view volunteer records in-app                       | 10                 | 2        | 1                    |
| 14 | Request to edit profile form                                | 12                 | 3        |                      |
| 15 | Output daily/weekly logs to excel (user and manager)        | 10                 | 3        |                      |
| 16 | Establish auto-clock-out                                    | 6                  | 3        |                      |
| 17 | Reset password form   | 4                  | 3        | 1                    |
| 18 | Implement profile update approval system on manager end     | 10                 | 3        |                      |
| 19 | Replace check-in button with QR code scanner                | 20                 | 3        |                      |
| 20 | Get live number of volunteers                               | 10                 | 4        |                      |
| 21 | Upload profile pictures                                     | 4                  | 4        |                      |
| 22 | Print name badges using iPad at TES                         | 10                 | 4        | 2                    |
| 23 | Establish auto-clock-in                                     | 6                  | 4        | 2                    |

# Core Features



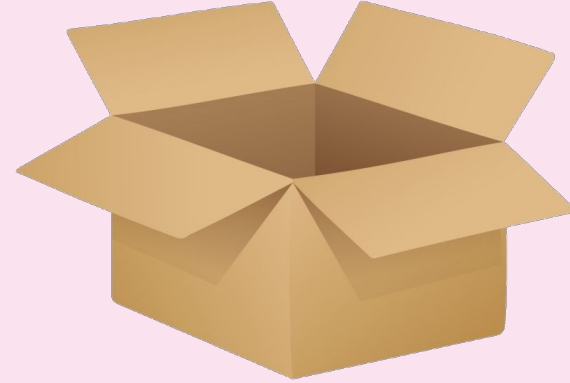
**Check In / Check Out**



**Identity Verification**



**Location Verification**



**Inventory Control**

# Tech Stack

