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| Semester C, 2019 |  |

**Course:** COSC - 2638

**Lecturer:** Dr.Nguyen Ngoc Thanh

Cloud Computing

Assignment 3 Report

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# 

# Functionalities Implemented

Everything that has been asked for since assignment 2 and 3 have been implemented.

Including:

### **Ability for Clean Up Location Owners to**

* Create accounts (Facebook or Cognito)
* Set up Clean Up Locations
* Download lists of people who join their clean-ups
* Input data after the clean ups (i.e. how much was collected).
* Upload Photo after event finishes
* Can see volunteers’ total of equipment requirements
* Send amount of tools needed ( T-shirt, ToolKit, Full Set ) to vietnam Sach Va Xanh
* Able to send volunteers notices through emails ( For each and for all)

### **Ability for Volunteers to**

* Register for an account
* Join a clean up site with an account
* Join a clean up site without an account
* view registered clean up locations on a map and a list
* [Login Only] Can request location owner for equipment

### **Ability for Vietnam Sach Va Xanh to**

* run reports on the outcomes of the different cleanup locations (# of volunteers, Amount of waste collected... other data.).
* The admin account now has a button to change the status of a location to paid or not paid for requested equipment.

### **Restrictions:**

* An account can only create one location at a time
* After the owner submit after clean up data, the location will be closed and unable to join

# Known Bugs and Issues

No known bugs are discovered as the submission of this report.

# Description of the architecture of the systems

Model (Mongodb) View (React) Controller (Nodejs)

# Technology Stack

MERN Stack: Mongodb, Express, React, Nodejs

AWS Stack: Beanstalk, Cognito, S3 Storage, Lambda

DevOps Stack: Git, Github, Docker.