Gherkins serve as the specifications for our project. Each feature will be described by a user story. The behaviors of those features/user stories are described by gherkins.

Here’s the syntax for a gherkin :

**Feature:** Some terse yet descriptive text of what is desired  
 In order to realize a named business value  
 As an explicit system actor  
 I want to gain some beneficial outcome which furthers the goal  
  
 **Scenario:** Some determinable business situation  
 ***Given*** some precondition  
 **And** some other precondition  
 **When** some action by the actor  
  **And** some other action  
 **And** yet another action  
  **Then** some testable outcome is achieved  
 **And** something else we can check happens too  
  
 **Scenario:** A different situation …

**Feature:** As a user, I'd like to be able to create an account and login using my email address so I can managed my profile.

**Scenario:** User logs on successfully  
 ***Given*** the user has an account

**And** the user enters his correct email

**And** the user enters his correct password  
 **When** the user presses the login button  
  **Then** the user will be logged in

**And** The user will be redirected to the messages screen

**Scenario:** User does not have an account   
 ***Given*** the user does not have an account

**And** the user enters his email

**And** the user enters a password  
 **When** the user presses the login button  
  **Then** the user will not be logged in

**And** The user will receive an error saying the account is not valid

**And** The user will offered a choice of creating an account, or logging in with social media

**Scenario:** User enters wrong password

***Given*** the user has an account

**And** the user enters his correct email

**And** the user enters a bad password  
 **When** the user presses the login button  
  **Then** the user will not be logged in

**And** The user will offered a choice of trying again, resetting his password, or logging in with social media

**Feature:** As a user, I'd like to be able to reset my password in case I forget it or just to change it.

**Scenario:** User requests a password change  
 ***Given*** the user enters his email in the change password

**And** the user clicks the submit button  
  **Then** the user will see a message telling them to check their email

**And** The user will receive an email with a change password link

**Scenario:** user changes password

***Given*** the user has clicked the change password link

And the user enters a new password of the right complexity  
  **Then** the user will see a message telling them their password has been changes

**And** The user will be logged in.

**Feature:** As a user, , I'd like to be able to login using my Facebook account so I don't have to hassle with a user-name and password.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Zoey, I want an easy way to register and schedule a cleaning event so my friends can easily participate.

# **Scenario:** Zoey creates new group ***Given*** Zoey is logged in **When** Zoey clicks the “create group” button **Then** a new group with default values is created **And** Zoey is taken to the details screen of her new group

# **Scenario:** Zoey adds details to her group ***Given*** Zoey has just created a new group **And** Zoe is on the details screen of her group **When** Zoey fills in the details of her group **Then** the details are automagically saved

**Feature:** As Zoey, I want to be able to find areas that need cleaning so I don't duplicate efforts.

# **Scenario:** Zoe views designated cleaning areas ***Given*** Zoe is editing a group that she owns **When** she goes to the area tab of the group **Then** She will see a map of designated areas **And** areas that reserved will be indicated by red **And** areas that are owned by her will be indicated by the color blue **And** areas that are unreserved will designated by the color green

# **Scenario:** Zoe selects an area ***Given*** Zoe is editing a group that she owns **When** she goes to the area tab of the group **And** she selects a green (unreserved) area **Then** that area will be assigned to her group **And** the area will turn blue

# **Scenario:** Zoe tries to select an area that is reserved ***Given*** Zoe is editing a group that she owns **When** she goes to the area tab of the group **And** she selects a red (reserved) area **Then** that area will be not be assigned to her group **And** the area will remain red

# **Scenario:** Zoe unselects an area ***Given*** Zoe is editing a group that she owns **When** she goes to the area tab of the group **And** she selects a blue (owned) area **Then** that area will be removed from her group **And** the area will turn green.

**Feature:** As Zoey, I want to be able to mark the status of an area a so others know what areas are not started, being cleaned and completed

# **Scenario:** Zoe starts cleaning an area ***Given*** Zoe is editing a group she owns **When** she does an extended press or double tap on an area she owns **Then** she will sees a context menu that allows her to mark her area as: 1) Not started 2) In progress 3) Cleaned **And** others will be able to see the new status of the area indicated by icons

**Feature:** As Zoey, I want to be able to invite others to my cleaning event so I can volunteer with my friends.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Zoey, I want an easy way for my friends to RSVP so I know how many people to expect.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Jessie, I want to be able see where and when others are planning to clean so I can join others.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Jessie, I want to be able to send and receive messages from my team members so I can keep up to date.

# **Scenario:** Jessie checks her messages ***Given*** Jessie is logged in **When** she navigates to the messages screen **Then** she will see a list of message summaries sent to her in a scrollable view **And** the they are ordered by read status and then chronologically

# **Scenario:** Jessie reads a message ***Given*** Jessie is on the message summaries page **When** she clicks a message summary **Then** the entire message is shown in a scrollable view **And** the message is marked as read

# **Scenario:** Jessie swipes through ***Given*** Jessie is on the message summaries page **When** she clicks a message summary **Then** the entire message is shown in a scrollable view **And** the message is marked as read

# **Scenario:** Jessie deletes a message ***Given*** Jessie is on the message summaries page **When** she clicks a message summary **Then** the entire message is shown in a scrollable view **And** the message is marked as read

**Feature:** As Jessie, I want to be able to geolocate and where I left my bags so I know the trash hauler can find them.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Jessie, I want to be able to time-stamp my trash pickups so I can know how long they’ve been left.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Jessie, I want to be able to see when my bags are picked up so I know they’re gone.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Jessie, I want an easy way to donate money so I don’t have to take the time write a check and mail it to Green Up VT.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Marc, I want to be able see where trash bags have been left so I know where to go.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Marc, I want to be able indicate that bags have been picked up so I can see my progress

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Marc, I want to know if there’s any kind of trash like tires or mattresses so I can be prepared to handle them.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Marc, I want to know when all the areas along a route have been cleaned so I can reduce the number of trips.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Hannah I want to be able to track donations coming in through the app, so I can determine if it is increasing donations.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Hannah I want to be able to create a mailing list from the volunteers who log into the app, so I can better promote Green Up Day.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Hannah I want access to group and collection information so I can track Green Up’s progress and impact from year to year.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Matt, I want to be able send notifications to volunteers in my area so I can easily communicate important information.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Matt, I want to be able to designate areas for clean up so groups can know where their efforts are most needed.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too

**Feature:** As Matt, I want to be able to track the number of groups and volunteers so I know how many bags will be needed.

# **Scenario:** Some determinable business situation ***Given*** some precondition **And** some other precondition **When** some action by the actor **And** some other action **And** yet another action **Then** some testable outcome is achieved **And** something else we can check happens too