

For each user story and business rule indicates the extent to which the code is written, everything that can break related to the code is unit tested, and you have verified via the user interface that the story can be carried out or that the business rule is enforced in a way that the user can verify

#### User stories

1. As a Park Manager I want to submit a new job request.  
Park Managers are able to submit a new job request.  
We have unit test cases for submitting a new job request.  
We have verified that the Park Manager is able to do this.
2. As a Volunteer I want to view upcoming jobs I can sign up for.  
Volunteers are able to view upcoming jobs.  
We have unit test cases for viewing upcoming jobs.  
We have verified that the Volunteer is able to do this.
3. As a Volunteer I want to volunteer for a job.  
Volunteers are able to volunteer for a job.  
We have unit test cases for volunteering for a job.  
We have verified that the Volunteer is able to do this.
4. As a Volunteer I want to view the jobs I am signed up for.  
Volunteers are able to view the jobs that they are signed up for.  
We have unit test cases for viewing jobs.  
We have verified that the Park Manager is able to do this.
5. As a Park Manager I want to view upcoming jobs in the parks that I manage.  
Park Managers are able to view upcoming jobs in their parks.  
We have unit test cases for viewing jobs in their parks.  
We have verified that the Park Manager is able to do this.
6. As a Park Manager I want to view the Volunteers for a job in the parks that I manage.  
Park Managers are able to view volunteers that are signed up for in their parks.  
We have unit test cases for viewing volunteers.  
We have verified that the Park Manager is able to do this.
7. As an Administrator, I want to search volunteers by last name.  
Administrator are able to search volunteers by last name.  
We have unit test cases for searching volunteers.  
We have verified that the Administrator is able to do this.

#### Business rules

1. A job may not be added if the total number of pending jobs is currently 30.  
Enforced because we check the amount of pending jobs before adding a new job if the pending jobs is at 30 then we do not add the job and let the user know that the amount of jobs is maxed.
2. A job may not be added if the total number of pending jobs during that week (3 days on either

side of the job days) is currently 5. In other words, during any consecutive 7 day period there can be no more than 5 jobs.

Enforced because we check the amount of pending jobs during the week of the submitted job. If the week that the job is being submitted is already at 5 we do not add the job and let the user know that the amount of jobs in that week as been maxed.

3. A Volunteer may not sign up for a work category on a job if the maximum number of Volunteers for that work category has already been reached.

Enforced because we check the work category before we signed them up. If the work category is full then we do not sign the user up and let the user know that the work category is full.

4. A job may not be scheduled that lasts more than two days.

Enforced because we only allow them to input one day and they have the choice to mark if it is a two day job or not.

5. A job may not be added that is in the past or more than three months in the future.

Enforced because we check the dates that the job submitted has before adding the job. If the jobs is for a date farther than 3 months or in the past we ask them to re-input valid dates for the job submitted.

6. A Volunteer may not sign up for a job that has passed.

Enforced because Volunteers cannot see jobs that are in the past.

7. A Volunteer may not sign up for two jobs on the same day.

Enforced because we check if the volunteer is already volunteering before signing them up for a job. If they are already signed up for another job then we let them know that they are already volunteering that day and we don't sign them up.

8. A Park Manager can create jobs only for those parks that he/she manages.

Enforced because Park Managers can only choose the parks that they manage to submit jobs.