

Task 1: add a user

```
9: Add a tree
10: View pending requests
11: Find tree locations
12: Get tree statistics
13: Get neighborhood statistics
13: Exit
3
Enter first name: roman
Enter last name: carrubba
Enter email: rcarrubba@gmail.com
Enter neighborhood: Downtown
Enter zipCode: 94110
User added successfully!
Your ID number is 75507
```

Task 2: accept a request

```
Please choose from the following options
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Remove a tree
9: Add a tree
10: View pending requests
11: Find tree locations
12: Get tree statistics
13: Get neighborhood statistics
13: Exit
4
Enter address: 555 Spruce St
Tree request accepted!
```

Task 3: Schedule a visit

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Remove a tree
9: Add a tree
10: View pending requests
11: Find tree locations
12: Get tree statistics
13: Get neighborhood statistics
13: Exit
5
Enter Address:
555 Spruce St
Enter Scheduled Date:
Please format as: yyyy-mm-dd
2025-03-02
Visit scheduled
```

Task 4: record information for a visit

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Remove a tree
9: Add a tree
10: View pending requests
11: Find tree locations
12: Get tree statistics
13: Get neighborhood statistics
13: Exit
6
Enter Address:
555 Spruce St
Enter conducted date:
Please format as: yyyy-mm-dd
2025-04-20
Enter Photo URL: https://www.testexample.com/pleasegivemeagoodgrade
Visit Recorded
```

Task 5: Schedule the planting of a tree

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Remove a tree
9: Add a tree
10: View pending requests
11: Find tree locations
12: Get tree statistics
13: Get neighborhood statistics
13: Exit
7
Enter address of job site: 555 Spruce St
Enter planting date (format yyyy-mm-dd): 2025-06-12
Planting date scheduled!
Enter volunteer user IDs to assign to this site (comma-separated):
1,2
Volunteers successfully assigned!
```

Task 6: Record planting event

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Record a planting event
9: Remove a tree
10: Add a tree
11: View pending requests
12: Find tree locations
13: Get tree statistics
14: Get neighborhood statistics
15: Exit
6
Enter Address:
555 spruce St
Enter conducted date:
Please format as: yyyy-mm-dd
2025-11-01
Enter Photo URL: exampleURL
Visit Recorded
```

Task 7: Update the collection of tree species

Addition:

```
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Record a planting event
9: Remove a tree
10: Add a tree
11: View pending requests
12: Find tree locations
13: Get tree statistics
14: Get neighborhood statistics
15: Exit
10
Enter tree species details to add a new species:
Tree species name: red wood
Minimum basin width: 3
Common name: new wood
Scientific name: Sequoia sempervirens
Height range (e.g., 40-70 ft): 70-100 ft
Acceptable under power lines (TRUE/FALSE): FALSE
Drought tolerance (e.g., Low, Medium, High): Low
Foliage (e.g., Deciduous, Evergreen): Evergreen
Root damage potential (e.g., Low, Medium, High): High
Number of trees planted: 150
Years since first tree: 15
Years since most recent tree: 2
Year with most trees planted: 2023
New tree species added successfully!
```

Removal:

```
Please choose from the following options
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Record a planting event
9: Remove a tree
10: Add a tree
11: View pending requests
12: Find tree locations
13: Get tree statistics
14: Get neighborhood statistics
15: Exit
9
Enter tree name for deletion:red wood
Tree deleted
```

Task 8: show all non completed request

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Record a planting event
9: Remove a tree
10: Add a tree
11: View pending requests
12: Find tree locations
13: Get tree statistics
14: Get neighborhood statistics
15: Exit
11
Pending Tree Planting Requests:
Status: Pending, Days since submitted: 794
Status: Approved, Days since submitted: 771
Status: In Progress, Days since submitted: 839
Status: Delayed, Days since submitted: 799
Status: Cancelled, Days since submitted: 780
Status: Scheduled, Days since submitted: 766
Status: On Hold, Days since submitted: 756
Status: Submitted, Days since submitted: 749
Status: Finalized, Days since submitted: 730
```

Task 9:

```
Please choose from the following options:
1: Log in as a user
2: Log in as a employee
3: Sign up as a user
4: Accept a tree request
5: Schedule a visit
6: Record a visit
7: Schedule a tree planting
8: Record a planting event
9: Remove a tree
10: Add a tree
11: View pending requests
12: Find tree locations
13: Get tree statistics
14: Get neighborhood statistics
15: Exit
12
Would you like to search by zip code or neighborhood?
1: Zip Code
2: Neighborhood
2
Enter Neighborhood: DownTown
Tree species count for the selected location:
Tree: Red Maple - Count: 1
```

Task 10: Find all trees planted within a selection of Oakland neighborhoods(NOTE: not all of the results fit in one screen shot, so this is a small portion of the results)

```
15: Exit
13
Tree Species: Valley Oak
Total Trees Planted: 200
Years Since First Planted: 2015
Years Since Most Recent Planted: 2023
Year with Most Planted: 2021
Most Planted Year Count: 200
-----
Tree Species: White Ash
Total Trees Planted: 170
Years Since First Planted: 2019
Years Since Most Recent Planted: 2023
Year with Most Planted: 2021
Most Planted Year Count: 170
-----
Tree Species: Monterey Pine
Total Trees Planted: 150
Years Since First Planted: 2017
Years Since Most Recent Planted: 2024
Year with Most Planted: 2022
Most Planted Year Count: 150
-----
Tree Species: reu wood
Total Trees Planted: 150
Years Since First Planted: 2010
Years Since Most Recent Planted: 2023
Year with Most Planted: 2023
```

Task 11:Neighborhood reports(NOTE: not all of the results fit in one screen shot, so this is a small portion of the results)

```
14
Neighborhood: Bayview
Total Requests: 1
Pending Requests: 0
In-Process Requests: 0
Completed Requests: 1
Approved Requests: 0
Total Trees Planted: 150
Trees Planted: Monterey Pine
-----
Neighborhood: Castro
Total Requests: 1
Pending Requests: 0
In-Process Requests: 0
Completed Requests: 0
Approved Requests: 0
Total Trees Planted: 140
Trees Planted: Weeping Willow
-----
Neighborhood: Chinatown
Total Requests: 1
Pending Requests: 0
In-Process Requests: 0
Completed Requests: 0
Approved Requests: 0
Total Trees Planted: 110
Trees Planted: American Elm
```