

Test Plan and Report

Revision Date: 12/4/24**Current Release:** v0.0.13

User Stories For Testing

1. As a user, I want to be able to register for the site with a Sign-Up link on the Log-In page.
2. As a user, I want to navigate to www.shiftTree.com and be greeted with a Log-In page so I can access the website through an account.
3. As a user, I want to see a Dashboard when I login so that I can navigate to different sections.
4. As a logged-in user I want to be able to create new ShiftTrees so that I can use it to schedule shifts.
5. As an existing employee of a ShiftTree, I want to be able to select and see shifts I am available to work.
6. As a manager, I want to be able to initialize a shift with dates/times that employees can select from.
7. As an employer/manager I want to invite users to join my ShiftTree so I can assign shifts to them.
8. As an employee, I want to join a ShiftTree given to me by my manager so that I can be part of my job's shift selection process.
9. As a user, I want to see detailed information about the shift(date range, signed up, assigned)
10. As a manager, I want to be able to see detailed per member information
11. As a manager, I want tools to more efficiently create schedules

System Test Scenarios

Scenario 1: Account Creation - **PASS**

1. Navigate to shifttree.org; Select 'Don't have an account? Sign Up'; Enter:
 - a. Display Name = <James Bond>
 - b. Email Address = <agent007@mi6.org>
 - c. Password = <Goldeneye9\$>
 - d. SELECT 'Sign Up'

2. User should see a notifier stating "Successfully registered!"

Scenario 2: Account Login and Dashboard - **PASS**

1. Navigate to shifttree.org; Enter:
 - a. Email Address = <user1@example.com>
 - b. Password = <password1>
 - c. Select 'SIGN IN'
2. User should see a dashboard with section 'Your ShiftTrees' with various schedule cards

Scenario 3: ShiftTree Creation - **PASS**

1. If not already there, navigate to Homepage by selecting 'ShiftTree' at the top navigation bar
2. Select '+' icon in top right corner
3. Select 'CREATE SHIFTTREE'; Enter:
 - a. ShiftTree name = <My First ShiftTree>
 - b. Description = <My first owned ShiftTree>
 - c. Select 'CREATE SHIFTTREE'
4. User should be navigated to their ShiftTree and see:
 - a. 'This ShiftTree is currently empty.'
 - b. 'My First ShiftTree / Edit Shifts'
 - c. Button: 'Create First Shift'
 - d. Sidebar: 'Shifts', 'Members', 'Settings'

Scenario 4: Shifts Registration

1. On the dashboard, select the ShiftTree you are a member of; Note that
 - a. Role: 'Member'
 - b. Status: 'Open'
2. Select any shift on the calendar; In the menu:
 - a. Request Weight = <100>
 - b. Select 'REGISTER'
3. Employee should see a blue indicator labeled 'Signed up'

Scenario 5: Creating Shifts

1. On the dashboard, select the ShiftTree you own
2. In the 'SHIFTS' tab, select 'ADD SHIFT'; Enter:

- a. Name = <Opening Shift>
 - b. Count = <2>
 - c. Description = <Opening Hours for Burger Shop on Monday>
 - d. Start time = <12/09/2024 06:00>
 - e. End time = <12/09/2024 14:30>
 - f. Select 'SAVE'
3. Manager should see a green card on the calendar on 12/09/2024 with:
 - a. Title: 'Opening Shift'
 - b. The times with a purple divider between the start and end
 - c. A small circle with the number '2' in the top-right corner

Scenario 6: Employee Invite and Join

Part 1:

1. Select the owned ShiftTree
2. In the tabs, select 'MEMBERS'
 - a. Optionally, select 'REGENERATE' to invalidate old codes
 - b. Select 'COPY' to copy the code
3. The manager should be able to paste the code for their employees to use

Part 2:

4. Have an employee log into their account; On the dashboard
 - a. Select the '+' icon in the navigation bar
 - b. Select 'JOIN SHIFTTREE'
 - c. Enter Join Code = <Code From Manager>
 - d. Select 'JOIN'
5. The employee should see the notifier 'Successfully joined ShiftTree!' and a new ShiftTree card on their dashboard

Scenario 7: User Shift Information:

Start Data: User a member of a shifttree with a shift from 8 to 17 on December 8th.

1. Select the joined ShiftTree
2. In the dashboard, look for an shift in the December section of the calendar with an 8 above it. This element should also contain "8:00" and "17:00".
3. Select this shift. A drawer should open from the side
4. Click the register button. This should close the drawer
5. Look for a chip element on the shift that wasn't there before. This element should read "Signed-Up"

Scenario 8: Manager viewing member information

Start Data: User a manager for a shifttree with two members.

1. Navigate to the shifttree the user is a manager for
2. Click on the Members tab on the left side of the screen
3. Confirm that two elements appear with email fields and a username corresponding to the users.
4. Click on the avatar of one of the users. This should open a drawer
5. Confirm that the email in the drawer matches that of the user clicked on.

Scenario 9: Manager able to use date selector to quickly populate a shifttree

Start Data: Manager has created a shifttree and has one shift on the 2nd of december.

1. Navigate to the shifttree the user is a manager for
2. Click on the shift that falls on December 2nd. A drawer should open
3. Locate the calendar in the drawer. Click the numbers 3,4,5,6.
4. Click the copy button. This should close the drawer
5. Confirm that shifts were created with the same details as the december 2 shift, but on the 3rd, 4th, 5th, and 6th date boxes

Scenario 10: Manager wants to schedule employees

Start Data: Manager has created a shifttree with 10 dates. Employee 1 has signed up for date 1 3 5 7 9. Employee 2 has signed up for date 2 4 6 8 10.

1. Navigate to the shifttree the user is a manger for
2. Click on the generate button. This should open a modal asking for confirmation
3. Click the generate button on the modal.
4. After a delay, confirm that Shifts 1 3 5 7 9 have a chip that contains the name Employee 1 on them. Confirm that 2 4 6 8 10 have a chip that contains the name Employee 2.

Scenario 11: Manager wants to export an ICS file of the assigned shifts

Start Data: Manager has generated a schedule as defined in scenario 10.

1. Navigate to the shifttree the user is a manager for
2. Click on the DOWNLOAD button at the top of the screen
3. Click on the Download ICS option
4. After a delay, confirm that an ICS file has been added to your downloads
5. Open your calendar application, such as Google Calendar or Gnome Calendar, and import the ICS file. Confirm that the shift times match what is shown on the ShiftTree page.