

0.0.2

Developed by **ShiftTree Team**

Sprint 4 Plan

Completion Date: 12/4/24

Goal: Cleanup ShiftTree MVP, complete “finishing touches” user stories, and implementing LOTS of testing before Release 1.0

Roles:

Noah: Full-Stack Developer, Product Owner

User Story 30, Password Reset

User Story 33, Generated Schedule Logging

MVP Cleanup

Evan: Full-Stack Developer

User Story 31, Same Shift w/ Multiple Employees

User Story 32, Shift Count Recommendations

Algorithm Testing

MVP Cleanup

Matthew: Full-Stack Developer, Scrum Master

User Story 30, Password Reset

User Story 32, Shift Count Recommendations

User Story 37, Manager Info

MVP Cleanup

Santi: Front-End Developer

User Story 30, Password Reset

User Story 35, Explain App Functionality

Algorithm Testing

Harrison: Front-End Developer

User Story 34, Bulk Registration

User Story 38, Employee Exports
MVP Cleanup

User Stories/Tasks:

- **#30: As a user, I want to be able to reset my password.** [8 story points]
 - Frontend to display the secret reset key on signup [1 hour]
 - Frontend to insert the secret key when resetting [30 minutes]
 - Modify DB to store the secret key [30 minutes]
 - Create endpoint to generate the secret key [1 hour]
 - Create endpoint to accept password resets [1 hour]
- **#31: As a manager, I want to be able to create shifts with multiple slots so that multiple employees can work one shift if needed.** [5]
 - Modify shift editing to also allow setting the number of duplicates of that shift [1 hour]
 - Modify the Shift Calendar display to show stacked shifts [1.5 hours]
- **#32: As a manager, I want to be able to set the recommended shifts for each of my employees.** [13]
 - Modify the algorithm to account for the offset in recommended shifts vs base min and maxes [2 hours]
 - Add a UI for incrementing/decrementing the recommended shifts and submitting the update [1 hour]
 - Endpoints to get/update the recommended shifts, stored as an offset in the DB [1 hour]
 - Wire the backend to display the stored offsets as recommended shifts in the frontend [30 minutes]
 - Wire the backend to update the DB upon submitting the update [45 minutes]
- **#33: As a manager, I want to see information about the generated schedule from the algorithm.** [5]
 - Save the logs from the scheduling algorithm into the DB [1.5 hours]
 - Add a tab to the ShiftTree manager view to display the scheduler logs [1 hour]
- **#34: As an employee I want to be able to "bulk register" for shifts to save time when registering.** [3]
 - Modify UI to include a bulk-register mode [1.5 hours]
 - Implement button as repeatedly applying existing sign up hook [30 minutes]
- **#35: As a user, I want to have how the algorithm works be explained briefly, so that I understand what my selections and inputs do.** [0]
 - Add descriptions and/or tooltips to components that affect algorithm [30 minutes]
- **#36: As a manager, I want to be able to import a schedule into ShiftTree and generate a schedule from that data.** [3]
 - Modify UI to allow for imports of ICS/CSV files [30 minutes]
 - Endpoint that generates a schedule from the import [1 hour]

- Display the imported schedule on the frontend [30 minutes]
- **#37: As an employee, I want to see the username and email of my ShiftTree manager so that I can contact them for any questions or updates. [2]**
 - Modify the UI to show the manager's username and email [1 hour]
- **#38: As an employee, I want to be able to export just my shifts so that I can put them into my personal calendar. [1]**
 - Add a button for employees to export their shifts [15 minutes]
 - Modify/Expand the ICS endpoint to export just a specific user's shifts [45 minutes]

Scrum Board:

User Story	To-Do	In-progress	Done
As a user, I want to be able to reset my password.	Frontend to display the secret reset key on signup Frontend to insert the secret key when resetting Modify DB to store the secret key Create endpoint to generate the secret key Create endpoint to accept password resets		
As a manager, I want to be able to create shifts with multiple slots so that multiple employees can work one shift if needed.	Modify shift editing to also allow setting the number of duplicates of that shift Modify the Shift Calendar display to show stacked shifts		
As a manager, I want to be able to set the recommended shifts for each of my employees.	Modify the algorithm to account for the offset in recommended shifts vs base min and maxes		

	<p>Add a UI for incrementing/decrementing the recommended shifts and submitting the update</p> <p>Endpoints to get/update the recommended shifts, stored as an offset in the DB</p> <p>Wire the backend to display the stored offsets as recommended shifts in the frontend</p> <p>Wire the backend to update the DB upon submitting the update</p>		
As a manager, I want to see information about the generated schedule from the algorithm.	<p>Save the logs from the scheduling algorithm into the DB</p> <p>Add a tab to the ShiftTree manager view to display the scheduler logs</p>		
As an employee I want to be able to "bulk register" for shifts to save time when registering.	<p>Modify UI to include a bulk-register mode</p> <p>Implement button as repeatedly applying existing sign up hook</p>		
As a user, I want to have how the algorithm works be explained briefly, so that I understand what my selections and inputs do.	Add descriptions and/or tooltips to components that affect algorithm		
As a manager, I want to be able to import a schedule into ShiftTree and generate a schedule from that data.	<p>Modify UI to allow for imports of ICS/CSV files</p> <p>Endpoint that generates a schedule from the import</p> <p>Display the imported schedule on the frontend</p>		

As an employee, I want to see the username and email of my ShiftTree manager so that I can contact them for any questions or updates.	Modify the UI to show the manager's username and email		
As an employee, I want to be able to export just my shifts so that I can put them into my personal calendar.	Add a button for employees to export their shifts Modify/Expand the ICS endpoint to export just a specific user's shifts		

Scrum Times:

Tuesday (in-person) @ 5:00-7:00 pm

Wednesday (online) @ 9:00-10:00 pm

Thursday (online) @ 9:00-10:00 pm

Initial Burnup Chart:

Current Burn-up

