# Sprint 3 Plan

Based on the following template/requirements:
https://drive.google.com/file/d/1nMUD5rQnLaPcJS1O2J3DY3U7D3w0wHr4/view

## Heading

Sprint 3 Plan
Product name: WebWatch
Sprint completion date: 11/19/2024

## Goal

Finish implementing Sprint 2 product backlog and begin experimenting with methods to enable users to select specific parts within a webpage to monitor.

## Task listing, organized by user story

### (MOVED TO PRODUCT BACKLOG)

- As a user, I would like to be able to see what changed on the webpage and selectively choose what parts are monitored, to reduce "noise" generated by other parts of a page changing which I'm not concerned with. (8)
    - Experiment with ways to modify scanning to only compare specific element on page (see details)
- As a user, I would like to be able to track the prices on online marketplaces so I can buy things cheaply. (5)

### (ADDED LATER TO REFLECT SPRINT PROGRESS)

As a user I want better account privacy and security, such that others aren't able to access or modify my tasks. (3)

- Add authentication protection for frontend pages
- Ensure authorized access to tasks
- Require auth for PUT /users/{user_id}

As a user I'd like to be able to reset my password. (8)

- User dropdown Menu + Links
- Create password reset endpoint and connect to account page

- Account Page - Reset Password Form
- Account Page - Change Email Form

## As a user I'd like to be able to delete my account. (5)

- Delete account
- Account Page - Account Deletion

## As a user I want a simpler task scheduling mechanism. (8)

- Use integer for task run frequency instead of current cron system (see details)

## As a user I want a more intuitive task creation interface. (3)

- Add "default_notification", "default_discord_webhook", and "default_slack_webhook" to user schema as optional fields
- Account Page Globals tab
- Task schema: enable task by default
- Improve "Tasks" button in navbar
- Improve frontend error verbosity when registering with an email already in use
- UI responsive components
- Frontend: "Run Task" button in task "..." dropdown menu should enable the task in backend and frontend
- Remove/archive "Action" column from frontend task list

## As a user, I want an easy way to test whether my notifications are configured correctly, without waiting for a website to change at an arbitrary time. (5)

- Create sample webpage that changes frequently as an example/poc of scheduled scanning

# Backlog tasks and quality improvements:

- Refine task routes/schemas (see details)
- Update scheduler from task routes
- Ensure async running tasks can access database fields
- Delete Tasks
- Sign Out button: delete access_token from user's localStorage and redirect to /auth/login
- Add confirm_password to user register schema
- Create unit tests for task and user APIs (preferably setup CI/CD with GitHub Actions)
- Integrate scraper into task run function, after basic async scheduler is confirmed to be working
- Refactor get_current_user function (see details)

- [Frontend task bar gear icon and user dropdown layering fix (they overlap and layer unexpectedly when page width is decreased)](#)

# Team roles

Product Owner: Cameron
Scrum Master: Jordan & Leo
Software Engineer:
- Alex
- Isaac
- Simon

# Initial task assignment

- Alex - Improve responsiveness of frontend components
- Cameron - Integrate scraper and async scheduler to run user tasks
- Isaac - Update user dropdown menu and links
- Jordan - Project CI/CD infrastructure
- Leonardo - Update user schemas
- Simon - Sign out button

# Initial burnup chart

Not available; did not take screenshot at sprint start. See Sprint 3 report for final burnup chart.

# Initial scrum board

Not available; did not take screenshot at sprint start.

# Scrum times

- Sundays, 5pm
- Tuesdays, 1-2pm (TA)
- Fridays, 4pm