

# Sprint 1 Plan

Based on the following template/requirements:

<https://drive.google.com/file/d/1nMUD5rQnLaPcJS1O2J3DY3U7D3w0wHr4/view>

## Heading

Sprint 1 Plan

Product name: WebWatch

Sprint completion date: 10/22/2024

## Goal

In this sprint, we want to develop the backend portion of the application, along with a CLI for users to interact with. We will also create API endpoints in preparation for the next sprint, where we will develop the user interface.

## Task listing, organized by user story

As a user, I would like to receive an email notification when a webpage's content has changed. (2)

Tasks:

- Use selenium to fetch web content and compare changes - 4 hrs
- Setup scheduler to periodically check webpage content - 6hrs
- Setup email service to notify the user - 2 hrs

As a user I would like to be able to scrape dynamic web-pages to get more accurate monitoring results with modern web pages. (3)

Tasks:

- Use selenium to fetch web content and compare changes for dynamic pages - 3hrs

## (MOVED TO PRODUCT BACKLOG)

As a user, I would like a modular CLI service to interact with the backend.  
(2)

Tasks:

- FastAPI endpoint user auth username & password - 3 hrs
- FastAPI endpoint for storing web page url for processing - 1hr
- FastAPI endpoint get all tasks - 1hr
- FastAPI endpoint for updating task information, url, notification, etc. - 1hr
- FastAPI endpoint to run/pause the monitoring task - 1hr
- FastAPI endpoint for deleting the task - 1hr
- Create CLI structure to locally interact with backend - 4 hrs

I would like to receive notifications through multiple channels  
(email/discord/slack/etc) for detections. (2)

Tasks:

- Store webhook url in db to send notification to discord channel & send messages - 5hrs
- Store webhook url in db to send notification to slack channel & send messages - 5hrs
- Store multiple notification options to db - 1hr

## Team roles

Product Owner: Cameron Candau

Scrum Master: Isaac To

Software Engineer:

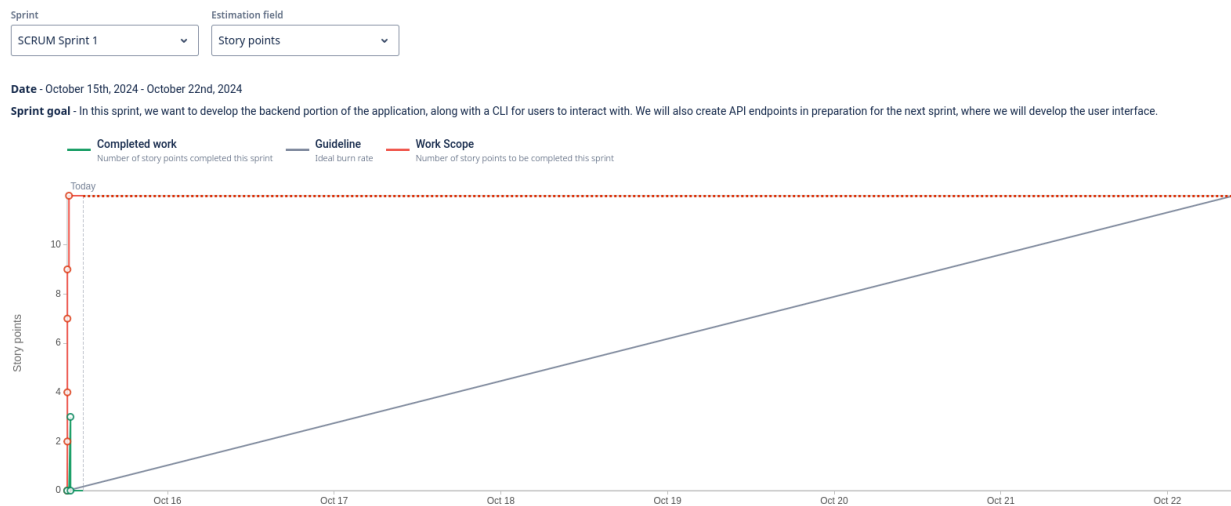
- Alex Kekchidis
- Jordan Nguy
- Leonardo Gallego
- Simon Zhao

## Initial task assignment

- Alex Kekchidis: Create CLI structure to locally interact with backend

- Cameron Candau: Create DevContainer and MySQL server
- Isaac To: API endpoints outline
- Jordan Nguy: Use selenium to fetch web content and compare changes
- Leonardo Gallego: FastAPI endpoint user auth username & password
- Simon Zhao: Setup email service to notify the user

## Initial burnup chart



<https://ucsc-fa24-cse115a-caas.atlassian.net/jira/software/projects/SCRUM/boards/1/reports/burnup?atlOrigin=eyJpIjoiMDU2YTZhMTIhZDM1NDQxMmE2MmE1NmVjYjlkMmNIM2liLCJwIjoiajJ9>

## Initial scrum board

Projects / CaaS

## SCRUM Sprint 1

In this sprint, we want to develop the backend portion of the application, along with a CLI for users to interact with. We will also create API endpoints in preparation for the next sprint, wh...

4 days



Start stand-up

Complete sprint



Q Search



Type ▾

GROUP BY

None ▾

Import work

Insights

View settings

USER STORIES 4

As a user, I would like to receive an email notifying me that a webpage's content has changed.  
SCRUM-15 2

As a user, I would like a modular CLI service to interact with the backend.  
SCRUM-16 2

As a user, I would like to be able to scrape dynamic web-pages to get more accurate monitoring results with modern web pages.  
SCRUM-17 3

I would like to receive notifications through multiple channels (email/discord/slack/etc) for detections.  
SCRUM-18 2

TO DO 14

Use selenium to fetch web content and compare changes  
SCRUM-1

Setup scheduler to periodically check webpage content  
SCRUM-2

Setup email service to notify the user  
SCRUM-3

Flask API endpoint user auth username & password  
SCRUM-4

Flask API endpoint for storing web page url for processing  
SCRUM-5

Flask API endpoint get all tasks  
SCRUM-6

IN PROGRESS

DONE ✓

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<https://ucsc-fa24-cse115a-caas.atlassian.net/jira/software/projects/SCRUM/boards/1?atlOrigin=eyJpIjoiYjM1ZDdhOThhNzFiNDlkODg4MzYwZDg1ZDBmZThlZDYiLCJwIjoiYjI5>

## Scrum times

- Sundays, 10am
- Tuesdays, 1-2pm (TA)
- Fridays, 4pm