

# What's Due Canvas?

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# Implementation Phase Summary

- Change of plans
- As a team we decided there is value in being able to see what is due on Canvas at a click of a button
- Therefore, our new objective for our extension is to display an interactive todo list which includes assignments, tests, and quizzes from Canvas

# Challenges

- Re-Evaluating Minimum Viable Product
  - We needed to consider the required time to finish all initially planned features and the time we have left to get everything done
  - Google Calendar integration was a major feature we planned for but relies heavily on features from the Canvas (Popup Window) side which have not yet been implemented
  - We want the user to be able to add personal notes to each event (assignment, quiz, or exam)
  - They should also be able to click away any event they do not want to track
- Fetching Canvas Assignments
  - Initially we were using a Node package
  - Switched to directly fetching data from Canvas Web API
  - Authentication for requests to Canvas Web API
- Displaying data in the Popup Window

# What have we built so far?

- Successful retrieval of assignments from Canvas
- Canvas API Authentication
- Pop-up window
- Display of dynamic list of assignments

```
<body>
  <label>
    School
    <input id="domain-input" type="text" placeholder="Domain" />
  </label>
  <label>
    Token
    <input id="token-input" type="text" placeholder="Token" />
  </label>
  <input id="fetch-assignments" type="button" value="Get Assignments" />
  <ul id="assignments-list"></ul>
  <script src="canvas-assignments.js"></script>
</body>
```

```
const domainInput = document.querySelector("#domain-input");
const tokenInput = document.querySelector("#token-input");
const assignmentsList = document.getElementById("assignments-list");
const fetchAssignments = document.getElementById("fetch-assignments");
```

```
domainInput.addEventListener("change", async (e) => {
  const domain = e.target.value;
  await browser.storage.local.set({ domain });
});

tokenInput.addEventListener("change", async (e) => {
  const token = e.target.value;
  await browser.storage.local.set({ token });
});
```

```
fetchAssignments.addEventListener("click", async () => {
  try {
    const self = await getSelf();
    const courses = await getCourses();
    const assignments = await getAssignments(self.id, courses);
    const assignmentsDue = await filterAssignments(assignments.flat());

    assignmentsDue.forEach(assignment => {
      const listItem = document.createElement("li");
      listItem.innerText = `${assignment.name}`;
      assignmentsList.append(listItem);
    });
  } catch (error) {
    console.log(error);
  }
});
```

# Whats Next?

- Add styling to our pop-up
- Add loading animations
- Display form only if token is not stored on browser local storage
- Retrieve not only assignments, but also quizzes and tests
- Add functionality to remove/cross off items from list
- Add more info per item on list (ex. Due date, class name)

Demo