

The project tools and agile methodology summary is the second Milestone deliverable required from your team. The information described below must be included in your final deliverable and tools should be in place by the due date.

Project Management Tool	<p>Describe the Project Management software product will you use to plan and track the progress of your project. Create a project in your chosen tool. (Popular tools are Trello, Asana and Zoho, but any PM tool will do.)</p> <p>Document the requirements for your project. Requirements must include critical features including user requirements (functional and non-functional requirements.) These documented requirements should describe the “must have” features of your finished application. These features compose your Product Backlog.</p> <p>Discuss and document a project plan for your project. The Project plan should include details such as the number of sprints necessary to finish the project. The plan should list the tasks (feature development) planned for each sprint.</p>
Plan Cycle within the Project Management Method	<p>Create and document a three-week sprint or waterfall cycle in your project management tool. Create tasks for the feature development planned in this sprint. Discuss with your team and take ownership of the tasks and assign due dates for each of the tasks in the sprint.</p> <p>Initially all these tasks, following a Kanban approach, will be in the ToDo list and eventually when the owners pick up a task and start working, then the task should be moved by the owner to InProgress list and once the task is completed, it should be moved to the Done list in your project management tool (like Trello, Zoho, or similar tool.)</p>
Agile Methodology	<p>Following the agile method , conduct a five-minute agile standup meeting where team members stand in a circle and each team member talks for one minute answer the three “scrum” questions: 1. What have you completed since the last meeting, 2. What will you complete before the next meeting, and 3. Describe any obstacles or roadblocks you face.</p> <p>Following the agile methodology, conduct a sprint retrospective meeting, where the entire team discusses about the progress of the sprint - what went well, what didn’t go well, what should be improved upon for the next sprint.</p>

### **Project Management Tool: Trello**

Group 0x is using Trello to lay out all of the different tasks for the project and assigning the tasks to each person. 0x Group chose trello because of its simple user interface and Trello's ability to create and assign tasks efficiently. Trello is also free.

**Requirements:** Front end user interface (website), user accounts, recipe-grabber, backend data storage

- Website allowing you to view and search recipes
  - Allows searching for recipes based off of the ingredients in them
  - Browse recipes
- Tool that grabs the necessary ingredients to recipes from bon appetit
  - Basically takes the ingredients and food name and stores them in an excel doc
- Backend that allows for creation of user accounts and storing the ingredients and recipes.
  - Allows searching for recipes and user accounts

### **Project Plan:**

- Build HTML file for the structure of the website
- Build CSS file for the design of the website
  - Bootstrap
- Build JavaScript file for the design of the website
- Create and integrate tool for route planning
  - Most likely a JS tool that uses Target item URL's to get that items location, then using a handmade map of the Boulder Target store it can plan the shortest route by combining that data
- Start using SQL to research and start making the website database.
- Start making a website crawler to go through websites to grab item numbers, recipes and item types

### **Sprint Overview**

Each Sprint will last one week. There will be 5 sprints.

#### **1. Sprint 1**

- a. Basic Website Crawler idea done- Aidan and Jordan
- b. Recipe Database foundation done - Frank
- c. User Database foundation done - Luis
- d. Have a design for the front end - Joshua and Bailee

#### **2. Sprint 2**

- a. Initial code completed for Website Crawler - Aidan and Jordan
- b. Recipe Database layout confirmed - Frank
- c. Username database layout confirmed - Luis
- d. HTML created for front end - Bailee
- e. Pictures made - Joshua

Team: Group 0x

Aidan Anderson | Jordan Hernandez | Luis Veltze | Bailee Mulholland | Joshua Achorn | Frank Stinar

### **3. Sprint 3**

- a. Create CSS - Bailee
- b. Finish Crawler - Aidan and Jordan
- c. Incorporate pictures into website- Joshua

### **4. Sprint 4**

- a. Start algorithm to transfer information from crawler to recipe database - Frank and Aidan and Joshua
- b. Create search tool that looks through database - Joshua

### **5. Sprint 5**

- a. Finish transfer algorithm - Frank and Aidan and Joshua
- b. Attach database & search tool to website - Bailee, Frank, Luis, and Josh

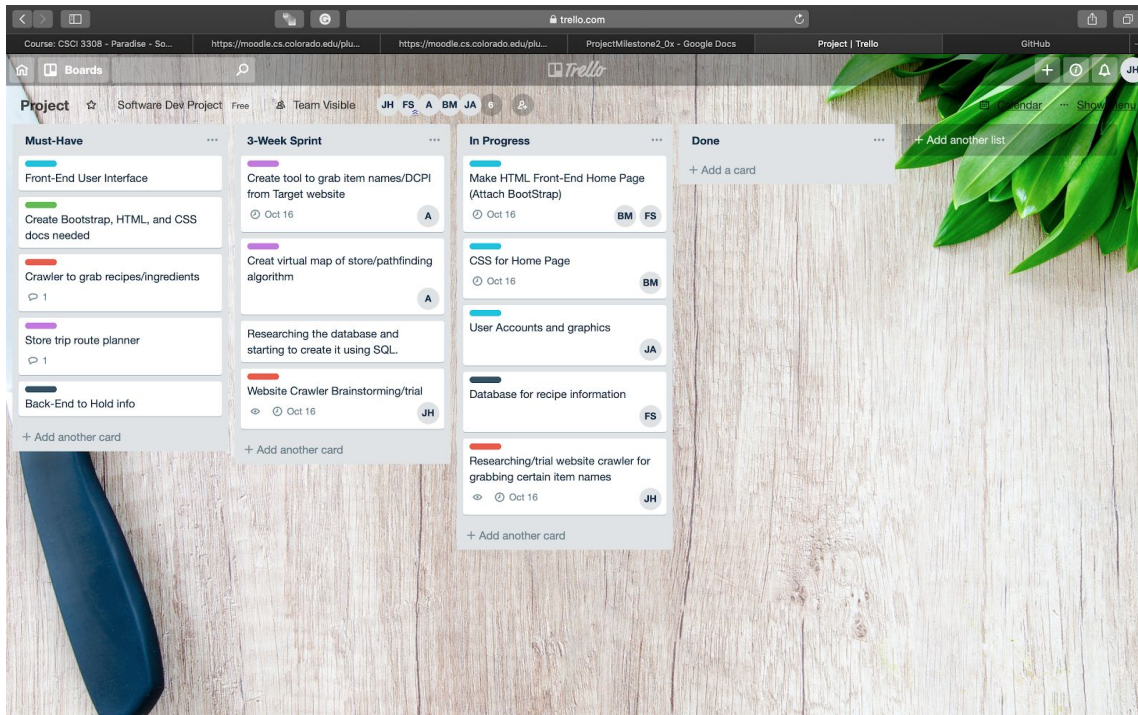
### **Sprint plans**

- **By Tuesday 10-16**
  - Item location grabbed done/significant progress
  - Have completed or have a better grasp on the website crawler
  - Have database table done for recipe information
  - Choose initial bootstrap template to use for site
- **By Thursday 10-18**
  - Start on store map
- **By Tuesday 10-23**
  - Have store map done, progress on pathfinding alg
- **By Thursday 10-25**
  - Work on pathfinding algorithm
- **By Thursday 10-30**
  - Route planner done, focus on integration to website+ease of use

Team: Group 0x

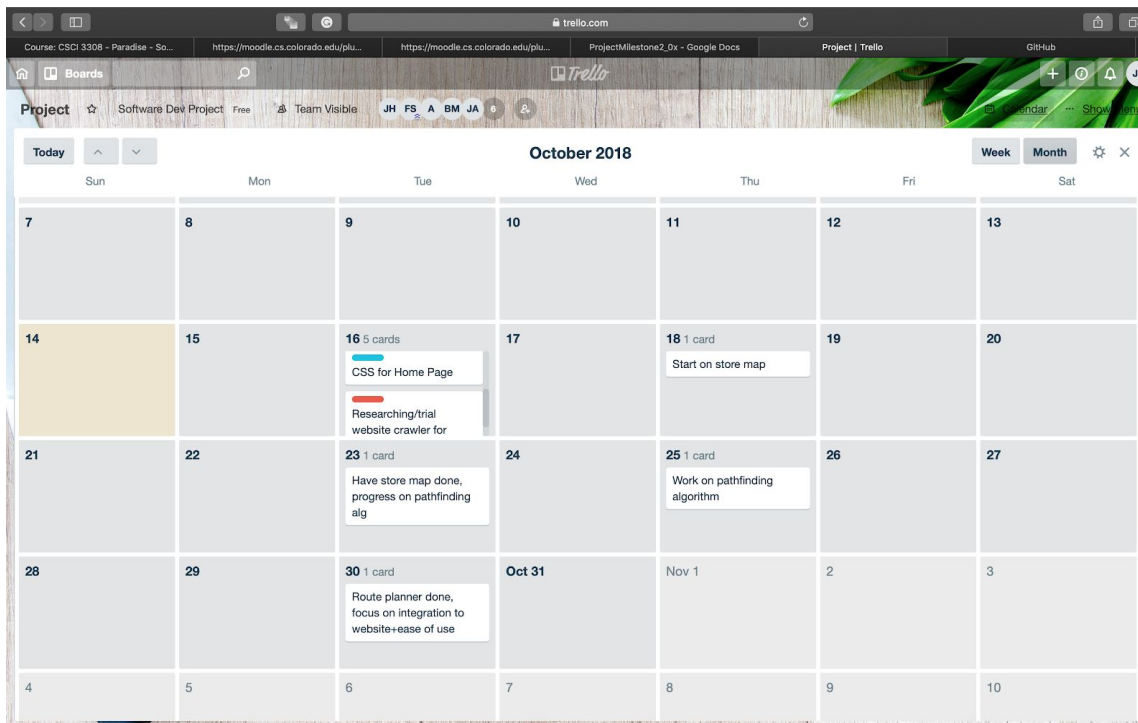
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## Trello as of: Milestone 2 Turn-In



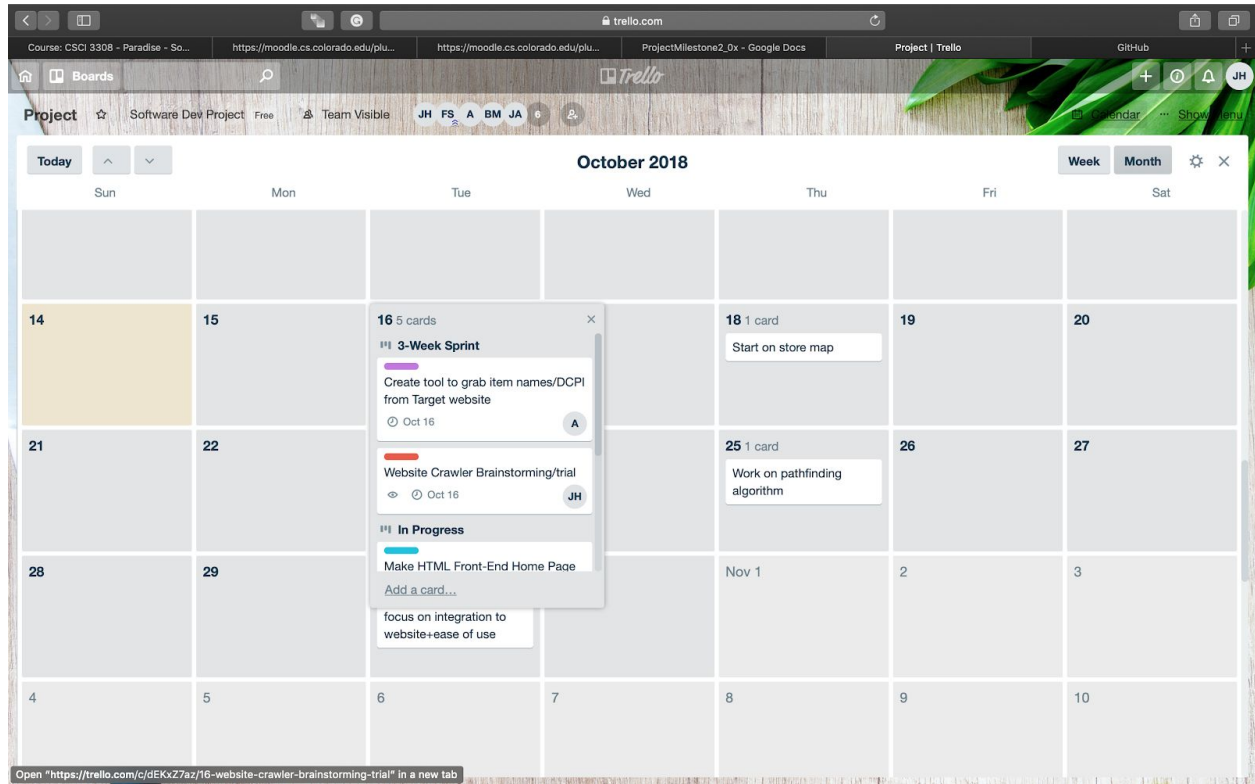
## Graphic of the Calendar in Trello:

(approx. due dates and contributor names)



Team: Group 0x

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## **Agile Standup and SCRUM**

### **1. Completed since last meeting**

- a. Slack/Trello created
- b. Set plan, dedicate members to features

### **2. Things to accomplish by next meeting**

- a. Website crawler research/trial for grabbing food items and locations in stores
  - i. Can also be used for grabbing store item numbers, and searching websites for recipes pertaining to certain ingredients.
- b. Starting the code for the website homepage (CSS/HTML)
  - i. Using bootstrap
- c. Researching the database using SQL

### **3. Obstacles/roadblocks Facing Us**

- a. Linking individual projects together
- b. Creating database
- c. Compatibility?