

# Functionality Checkpoint

Due Friday, April 24 at 11:59pm (College and Extension)

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## Overview

At this point you have finished planning and have begun coding. This week it's time to **implement core functionality**.

The final deadline is one week after this one. If you follow the guidelines below, you'll be in a good position to finish your project with a correct algorithm and some polished extensions.

Be sure to consider any advice you received from your TF after the last two checkpoints.

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## Detailed Description

### Code

You should make significant progress on implementing your algorithm. Your goal is to have your core algorithm working with few or no bugs and to start on the cool extensions by the above deadline.

### Write Up (1 page)

Your write up will tell us about your progress, problems, and plan for the next week. This document is meant to allow us to assess your progress and make sure you are on track to have a final product you are happy with.

- **Progress:** Describe what you have done over the past week. What is done? Does it always work? Is it still buggy?
- **Problems:** What has given you trouble? Your TF may be able to help you overcome conceptual confusion or technical difficulties.
- **Teamwork:** How have you organized working together on a larger project? What problems have arisen, how have you dealt with these problems, and how can you improve moving forwards?
- **Plan:** What things do you need to do next week to be on track to meet the next

deadline? Include a schedule specifying what needs to get done, when it will be finished, and who will be doing it.

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## **Submission**

Email your code (as a ZIP) and writeup (as a PDF) to your final project TF. Only one person should submit for each group. The subject of this email should be "CS51 Project: Checkpoint."