

# **Criterion A: Planning**

## **Defining the Problem**

The client (myself) wants to create an application that allows users to track their homework assignments, by adding the assignment name and due date and displaying it in a list. With distance learning taking place, it can be hard for students to keep track of all the homework they have been assigned. This application will help users to know what tasks they have to complete, and by what date, hopefully allowing them to be more organized.

This project will allow users to add their homework assignments to a list, but will not notify users of upcoming deadlines. It will mark assignments as overdue, and users will be able to mark assignments as complete or incomplete. Users will also have the capability to remove assignments when needed.

## **Rationale for the Proposed Solution**

The client wants to create a standalone application for this project because it is the easiest to use for students, who are the target audience. It will be able to run on most computers, which students have access to.

Although there are programs online which can track homework, many require internet connections. A standalone application would eliminate the need for this, and allow the program to be used anywhere.

This will be coded in Java because it can easily be used in multiple different computer environments.

## **Success Criteria (in order of importance)**

1. Application allows the user to add and remove assignments and displays them in a list.
2. Application allows the user to change the status of the assignment.
3. Application displays the status of the assignment (incomplete, complete, overdue) and automatically marks assignments as overdue.
4. Application displays the assignments in order of due date (earliest first).