

Criterion B: Design

GUI Element 1: Program start. Main page of the HomeworkTracker that will display assignments.

Homework Assignments

Assignment Name	Due Date	Status
Math Homework	3/3/2021	Complete
English Homework	3/2/2021	Overdue
Science Homework	3/2/2021	Incomplete

Today's Date: MM/dd/yyyy

Add Assignment

Remove Assignment

Change Status

The assignments are displayed in a table, in order of due date, with the earliest due date being displayed first. The table will be in a scroll pane, allowing the user to scroll down and add as many assignments as they need. The user can add or remove assignments, as well as mark assignments as incomplete, complete, or overdue.

GUI Element 2: Adding Homework Assignment

Homework Name

Type Assignment Name Here

Month Due Date Due Year Due

MM dd yyyy

Add Homework

The fields for the month, date, and year due will be JComboBoxes, allowing the user to select the date from a list. The Add Homework button will add the assignment to the list of assignments shown in GUI Element 1. The format will allow the user to easily add homework assignments.

GUI Element 3: Removing Homework Assignment

Select the assignment that you would like to remove

Remove Assignment

The user will select the assignment they would like to remove from a JComboBox containing the names of all the assignments. The Remove Assignment button will remove the assignment from the list of assignments shown in GUI Element 1.

Select Assignment to Change Status

New Status

Change Status

The user will select the assignment whose status they want to change, and select the new status of the assignment (incomplete, complete, overdue). The Change Status button will change the status of the new assignment and display it on the list shown in GUI Element 1.

Flow Chart

Homework Tracker Flowchart

