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Java Project Mid-Progress Report

Name: To-Do List

Design: The project is currently designed as two classes – toDo and Task.

**toDo:**

* Stores Task objects
* Uses an ArrayList<Task> to store tasks because an ArrayList can hold objects and it is unknown how many Task objects we will need space for.
* Has the following methods: public toDo(), public void addTask(Task), public void completeTask(Task), public void removeTask(Task), public void editTask(Task t, String id, boolean status, String projName, String dueDate, int day, int month, int year), public void printTasks(), public void sortByDueDate(), public void sortByTitle(), public void sortByStatus(), public void sortByPriority(), public void sortByCategory(), and the overridden toString method.

**Task:**

* Stores a String title, boolean status (for whether or not the task is complete), and a String dueDate.
* Has the following methods: Accessor and mutator methods for private variables (title, status, dueDate)

Completed Work: An outline for both the toDo and Task classes are complete including a list of possible private variable fields and public methods. Most of the toDo methods have been started on and all of the accessor and mutator functions have been completed in the Task class.

Plan: We plan on fully implementing the toDo and Task classes to create a functioning to-do list without GUI. Then as the GUI and event-driven programming is covered in class, additions and revisions will be made to turn it into a GUI application. We also plan on replacing some of the Task fields with a Date class and potentially adding priority and category fields to the Task class, allowing us to implement more sorting methods for the toDo class.

Individual Assignment:

Jordan Treutel -

Ankit Bhusal -

Grant Hampton -

Lance Tero -

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Challenges and risks (how we plan to overcome them): The GUI programming will most likely be a challenge because it is new and we haven’t covered the material yet. Once we cover the material in class, we will have that information through PowerPoints as well as the textbook if extra help is needed.