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Semester Project: Event Manager

Identify what need the software is meeting:

▪ Who uses it?
- NCSY
- Organizations/Companies:
    - Coordinators
- Students using it as a planner

▪ Why does he use it? What is he trying to accomplish when he uses it?
- Organization within planning events with multiple moving parts.
- Set a sense of clarity and urgency and breakdown of the steps needed to perform the event.
- Ability to dole out tasks to different lower-management employees:
    - Being able to check in on progress
- Ability to look back at old events within different criteria for information on who would be the best to execute that same task in a new event.

▪ What functions does your software provide to the user that help him achieve his goal(s)?

- Ability to add urgency colors to each event(red, yellow, green)
- Ability to dole out tasks to different employees and mark their tasks complete
- Keep track of how much money each worker is making for a specific task

▪ How does he use it? What steps does he go through in order to achieve his goal(s)? What are the workflows he progresses through when using It?

- Uses a gui in order to simplify the interaction with the event manager
- Creates an event:
- Adds tasks within different categories and assigns urgency and workers (and there pay) to execute that task.
- Sort Events by date and time
- Sort Tasks by priority (red, yellow, green)
- Can get all events that are finished
- Can add to a database of workers in the system

Stage 2:

Classes:
Worker
    String name, email, number
Task

Boolean isComplete;
String task;
Priority priority;
Map<Worker, Double> salaries

Event

Date date;
String location;
Set<Task> tasks

EventManager

Set<Event> events
Trie<Worker> workersDatabase

Date

int minute, hour, month, day, year;
String periodOfDay

EventManager has a set of Events and a trie with all the workers in the system

Event has a set of workers and a set of tasks

Dealing with Lists and Sets