

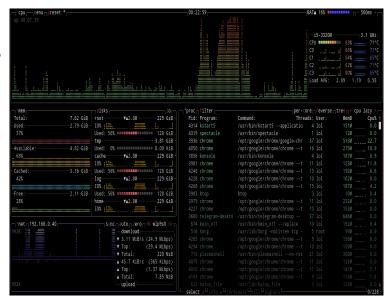
Java Time! Weekly Planner

A Road Map of My Development Cycle

Yoko Parks

The Idea

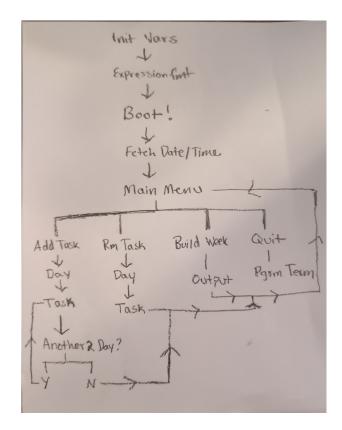
- I wanted to create a week at a glance planner without the distractions of Google or The Internet. This idea resonated with me due to my ADHD tendencies.
- I also wanted to bring some Bash/DOS designs to my program to pay homage.
- I wanted to do something new rather than adding onto an old program



BTOP: A Unix Terminal Task-Manager

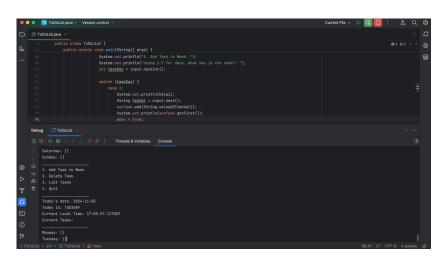
General Structure

- Attached is a flow chart of how the program is supposed to work
- This is a basic overview and doesn't include my error handling functions
- Helped me direct my focus towards my vision



Debugging The Program

- I did my debugging by doing passes through each function as it was implemented
- Had the advantage of moving quicker to roll out changes but made each code change very messy and super different
- I have included snapshots of raw code at different times, if you want a full view perhaps not captured by the buggy file please look
- Certain Implementation ideas do not persist through the file versions as they were replaced with better algorithms
- I used a focus group of 3 people to help me make the UI easy to use



Endless BootLoop (Logic)

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```

Add Task Thread Except (Runtime)

```
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Tobolistjava v Version control v Current File v G

Tobolistjava v Version control ("Stanse Choose an Operation: ");

Int usrChoice = input.nextint();

System.cur.println("Links 1-7 for days, abut day is the task?: ");

System.cur.println("Stanse 1-7 for days, abut day is the task?: ");

Int taskday = input.nextint();

System.cur.println("Enter using syntax "Task 24hrtise(Eat 13:00)": ");

System.cur.println("Enter using syntax "Task 24hrtise(Eat 13:00)": ");

Case 2:

Case 3:

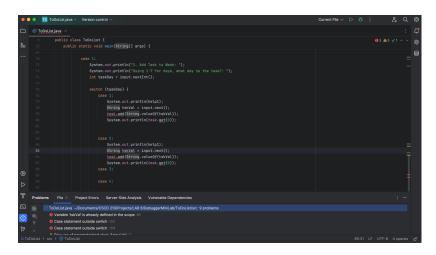
Tobolistjava Version control v Control Version Server-Side Analysis Vulnerable Dependencies

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Err L82 (Syntax)

Err L61 (Syntax)



Err L85 (Syntax)

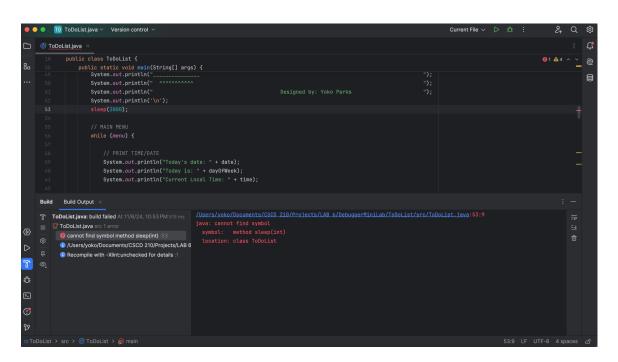
Err L138 (Syntax)

```
public static void main(String[] args ) throws InterruptedException {
           switch (taskDay) {
               case 1:
                   tsklist = true;
                   while (tsklist) {
                       System.out.println(help1);
                       tskVal = input.nextLine();
                       sunTask.add(tskVal);
                       System.out.println("Add another? (Y or N):");
                       add = input.next();
                       // To get rid of operator "||" to save my sanity
                       String addMod = "(?i)" + Pattern.quote(String.valueOf(add)); //Force Read as Lowercase
                       if (addMod == "y") {
                           // Kick Back to Add More
                       else if (addMod == "n") {
                           tsklist = false;
                          // Move-on and sort if they dont want to add more
```

Add More Task? (Logic)

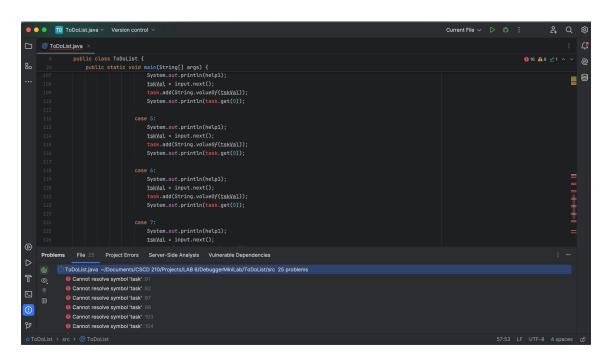
```
Thread.sleep( millis: 1000);
System.out.println("Booting Program.");
System.out.print(".");
Thread.sleep( millis: 1000);
System.out.print(".");
Thread.sleep( millis: 2000);
// Fetch Current Date/Time from System
LocalTime time = LocalTime.now();
LocalDate date = LocalDate.now();
DayOfWeek dayOfWeek = date.getDayOfWeek();
```

Boot Animation (Logic)



More Animation Errors (Syntax)

King of The Bugs



Task Var Resolution (Syntax bc I removed a single reference upstream)

General Challenges

- Organization of my thoughts in a big program; I fix bugs on the fly as opposed to writing then correcting
- Constant Traversing of Code for fixes
- Boot Animation without libraries
- Scope of the project may have needed fleshing out
- Time Constraint
- Syntax & Logic Errors galore compared to Runtime Errors

Overcoming Obstacles

- Animated sequences using print appends and sleep functions
- Debugging Console being a timesaver
- Getting creative to work around issues with structure & design
- Breaking down problems into their parts
- Copying code to keep track of progress
- Scheduling to carve out time

Program Limitations

- Only schedules 1 week at a time right now, and has no scheduling intelligence (yet)
- Error handling has remained extremely sensitive, while most of them are patched I still have extreme edge cases to implement
- Heavy Reliance on "if" statements and switches
- UI animation is hard-coded and makes the code unfriendly to human eyes
- Planned Features needing extreme work to implement
- Unorthodox Organization of Code



Thank You!

This project was not only one for an assignment, but also for a skill display on my github page. If you're interested in following my work; please find me on GitHub via the QR. All projects are made and graded before being posted there to ensure academic integrity.

