

## Criterion E:

### Meeting Success Criteria

As shown in Criterion D and B, the client can add and remove tasks and events with ease. The client can add due dates and priority levels to tasks. They can also add reminders to tasks and events. Clients can see completed tasks with the click of a button. The client can easily change the proportion of the UI used by the calendar and task list, and they can change the colors of their UI.

### Client Opinions

The product impressed the client, me. I thought that it appropriately filled the niche I was looking for. I really like the way that tasks are just in a running list, but when removed don't stay there. The immutability of paper was its main weakness for me. I also like how simple your tasks can be. I've found that, when I use my default productivity app, I must fill out too much information for tasks that I can recall with a mere name. With TuDu I can simply add a task with a name and a priority. Also, the events list is nice because I can keep track of events without changing applications or screens.

However, despite its utility, I think it could be improved. For example, I don't really like the current UI, it reminds me too much of early 2000s computing. I also think that in order to reach my standard for daily use the app should allow you to see Item metadata. Further, without the implementation of reminders, I must rely on my own responsibility to check up on the task list—which I don't trust.

Overall, with the short time budget, I think TuDu was a successful product. I have already seriously considered making it my main To-Do application even if just for its wonderful running list—it just fills my niche perfectly.

## Future Improvements

After receiving feedback from myself I have pinpointed three main improvements and additions that can be made to the program:

### Rework the User Interface

Reworking the user interface would be an important step in improving the user experience.

Clean, modern designs have overtaken the traditional look and feel of default Java programs.

With a little research into Java “Look and Feel” I could easily apply a broad update to all relevant Java Swing components. I have already experimented with setting development defaults, but I think changing the entire UI with Java’s “Look and Feel” would be a very effective method for beautifying the program. In the options pane, I could add options to change the look of specific components background colors and text colors alongside the UI overhaul.

### Implement Reminders

To reach the complexity level of many modern to-do managers, I would need to implement reminders. I see two ways of doing this: putting a timer on one thread that counts down to the specified time or scheduling an email be sent at the specified time. The first way would probably use Java’s Timer class, or another class uncovered by further research. The second way would possibly require me to set up an SMTP server and possibly work with API’s. I have some experience with API’s so that could be the more effective option.

### Make metadata viewable and editable

To take this solution past the barebones, I should implement methods to make metadata viewable and editable. I would most likely do this by changing the behavior of my Task’s JList selection handler. I would make selecting an event show a JOptionDialog with metadata, a complete button, and a cancel button. All the metadata would be editable within this dialog. It may even

use a slightly modified “Add item” dialog. This change is the simplest and could probably be done in a little over an hour.