

TaskTamer

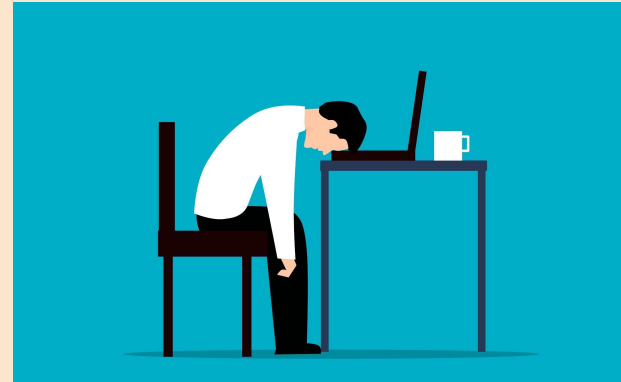
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Describe the problem

Organizing events, activities, and overall workflow is an important problem that many individuals face on a day-to-day basis. Lack of focus, disorganization, and hectic schedules can result in people forgetting important tasks that they must complete.

How do we solve this problem?

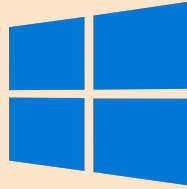


Solution to the problem

In order to ensure people do not miss anything important, we've created: ***TaskTamer***. It is developed to send out multiple reminders and alerts in order to notify the user about any upcoming events.

We also plan on having the application available on multiple devices such as:

- iOS
- Android
- Windows
- Mac



So that you can receive these notifications from multiple sources.

Related work

Smartphone to-do list application to improve workflow in an intensive care unit: A superiority quasi-experimental study

Mathieu Esposito¹, Pierre-Louis Rocq¹, Emmanuel Novy², Thomas Remen³, Marie-Reine Losser¹, Philippe Guerci⁴; ICURTASK study

Affiliations + expand

PMID: 32120317 DOI: [10.1016/j.ijmedinf.2020.104085](https://doi.org/10.1016/j.ijmedinf.2020.104085)

Purpose:

To analyze how mobile task-management applications can affect workflow of an ICU medical staff.

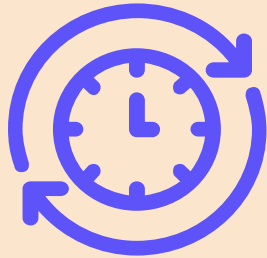
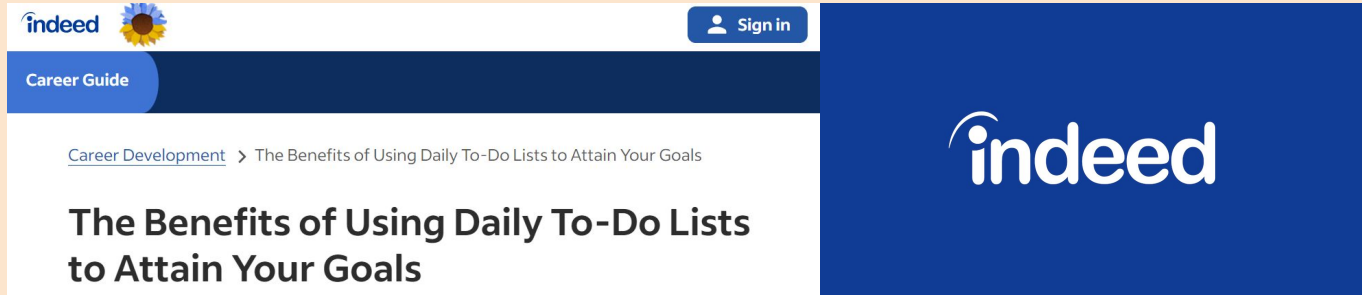


Completed more tasks!

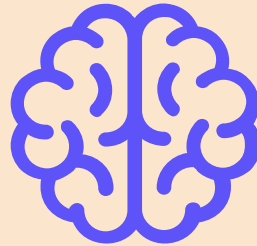


Forgot fewer tasks, more aware of progress

Related work



Increases productivity

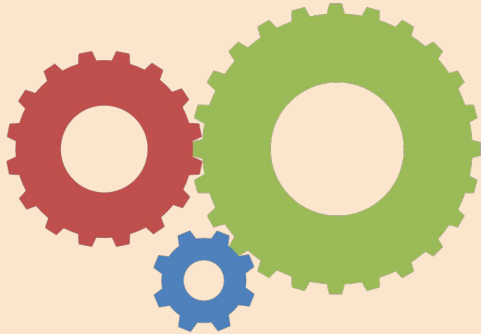


Improves memory



Better mental health

Three concepts from class that were useful

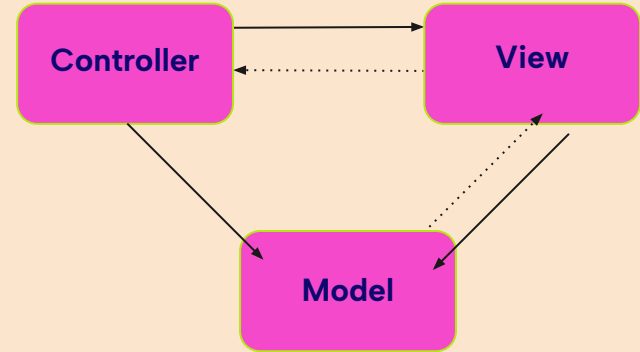


Functional:
Basis of level difficulty
to implement

Class: Task
Attributes:
completed: bool
observers: List

Class: TaskCompletion
Attributes: Observer

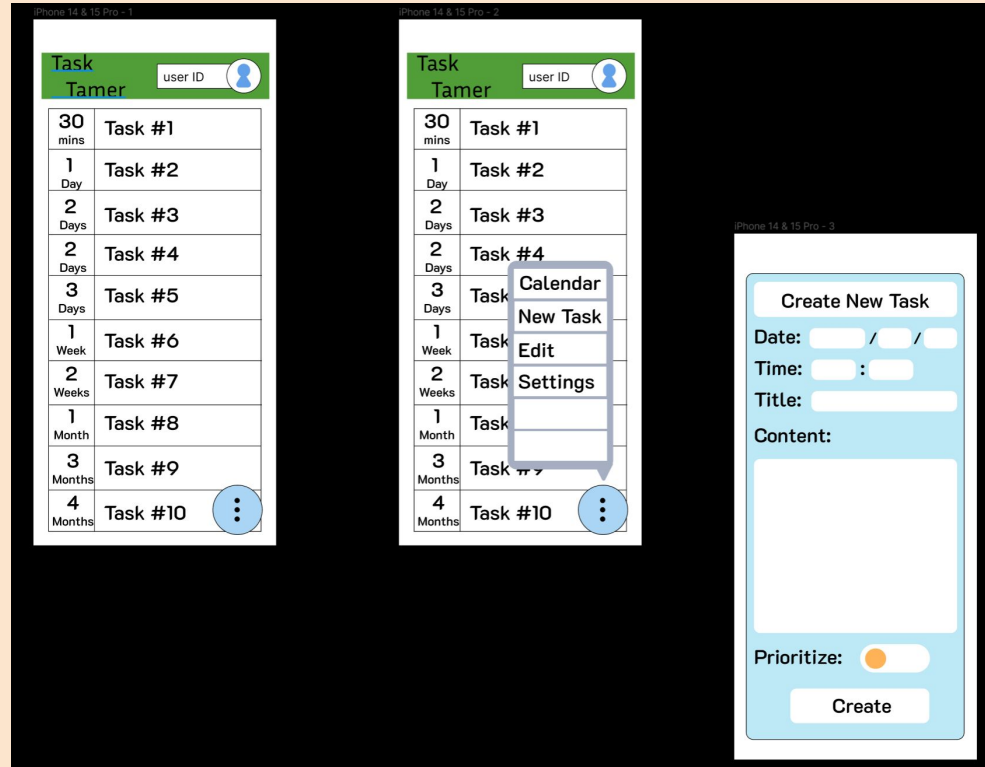
Low-Level Design:
Understanding level
family patterns



High-Level Design:
Architecture patterns
used in structure
systems

Demo

Figma



Future work

- Develop an AI tool to automatically create reminders for events that the user schedules multiple times and to walk through a tutorial on how the app works
- Increased customization in layout, color and even notification sound
- A community lead chatboard feature to develop new ideas and identify bug fixes
- Developing an affordable subscription model that offers a wider range of features
- A search and filtering feature to locate previous tasks to reschedule them again
- Integrating with other apps such as canvas and Google Calendar so reminders from there can be sent
- For long term tasks, a goal/objective feature that shows how far you are to completing said task



References

Esposito, Mathieu et al. "Smartphone to-do list application to improve workflow in an intensive care unit: A superiority quasi-experimental study." *International journal of medical informatics* vol. 136 (2020): 104085.
doi:10.1016/j.ijmedinf.2020.104085

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