

Project Proposal

CS13B030, 36

Idea:

- A Calendar App, which stores all your Events, To-Dos, Assignment Submission Dates, Quiz Dates, and reminds you of the same. Gen reminders can also be set.
- Among a few options, a scheduling strategy can be chosen, which will propose a suitable schedule to be followed to get all the tasks accomplished in time, according to the due date and expected time required for each activity.
- If time permits, we'll implement a work-incentive mode, by controlling the overall internet speed for the system, depending on the amount of work done, and can be extended to restricting bandwidth for certain user-specified procrastinating-websites, under a 'Productive' mode.

Technicalities:

- Applet-building: This will be done in Java, using Swing, JavaFX or Eclipse SWT.
- For scheduling: All the activities will be scheduled using various Scheduling algorithms.
- Controlling internet speed: A package called 'Wondershaper' enables tweaking upload and download speeds of the system's network interface by changing the bandwidth, which will be used in sync with the calendar schedule and browser activity.

Outline:

- 6 April to 15 April - Calendar app with event reminder.
- 15 April to 20 April – Implementation of scheduling strategies.
- 20 April to 25 April - Productive mode, improvements