



Coffeebot

Fatigue detection and coffee brewing system

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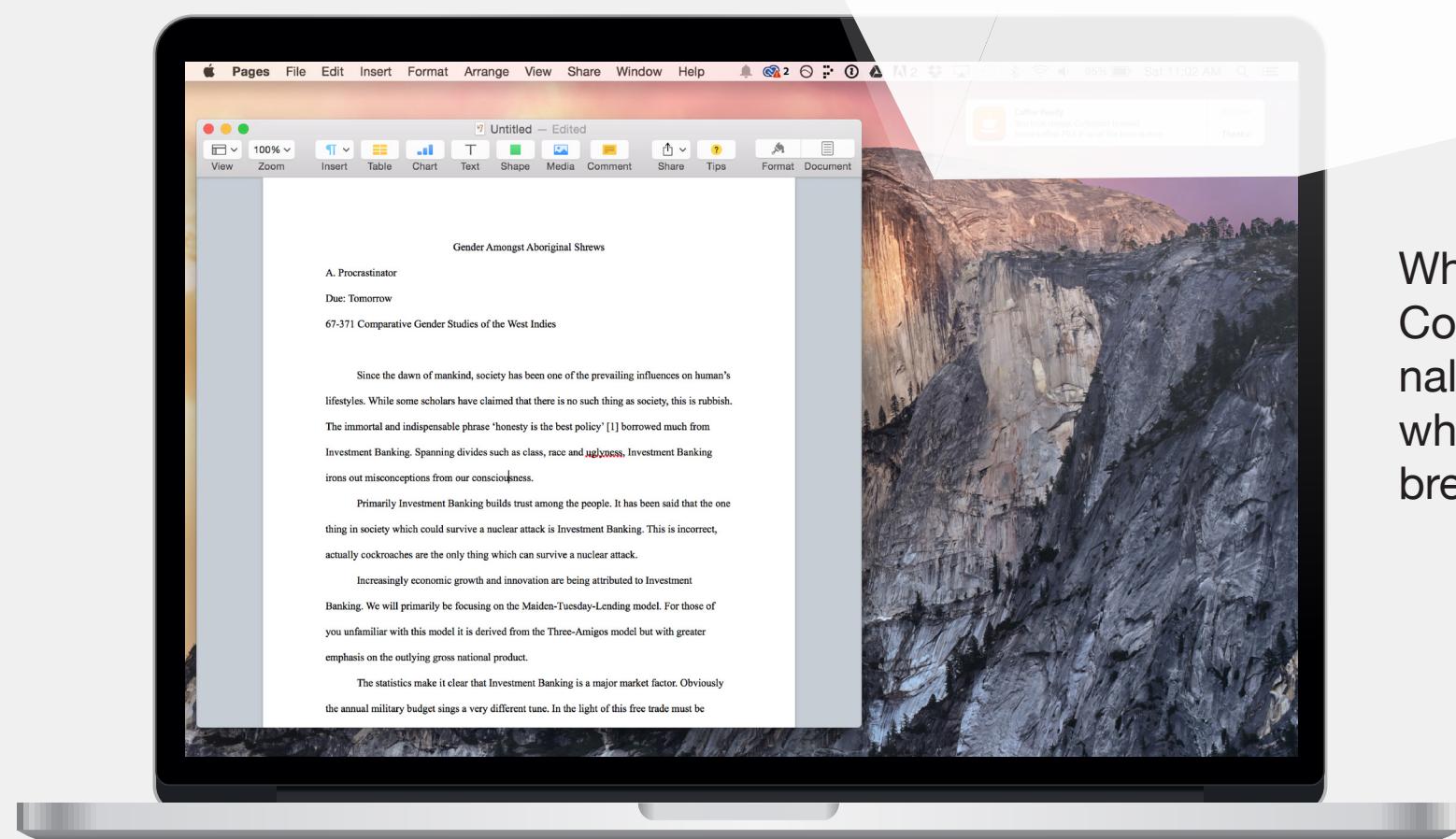
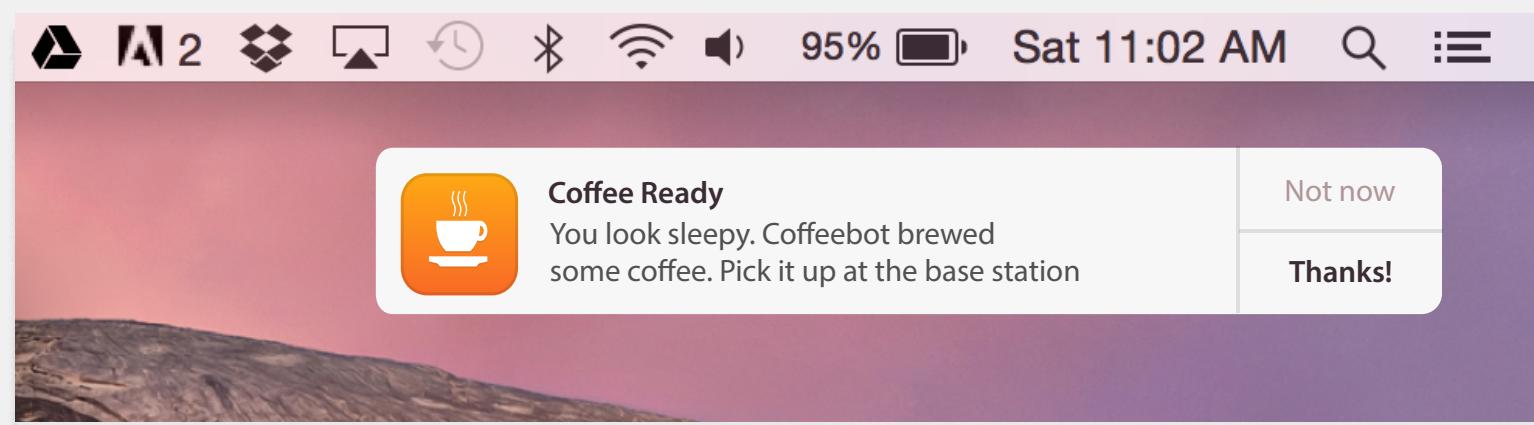
Vision

People can get tired without realizing it, and work below their maximum efficiency. We propose Coffeebot, a system that monitors a user's fatigue and automatically brews coffee to keep them productive.

Value

Coffeebot will make people, especially students, more efficient at focus intensive tasks. A 0.4 pt increase in GPA, from 2.9 to 3.3, has been linked to a \$20k increase in salary expectations after college. Our system will help students and professionals work more effectively, even late into the night.

Your computer watches for signs of fatigue using the webcam, and sends a signal to the coffee pot.

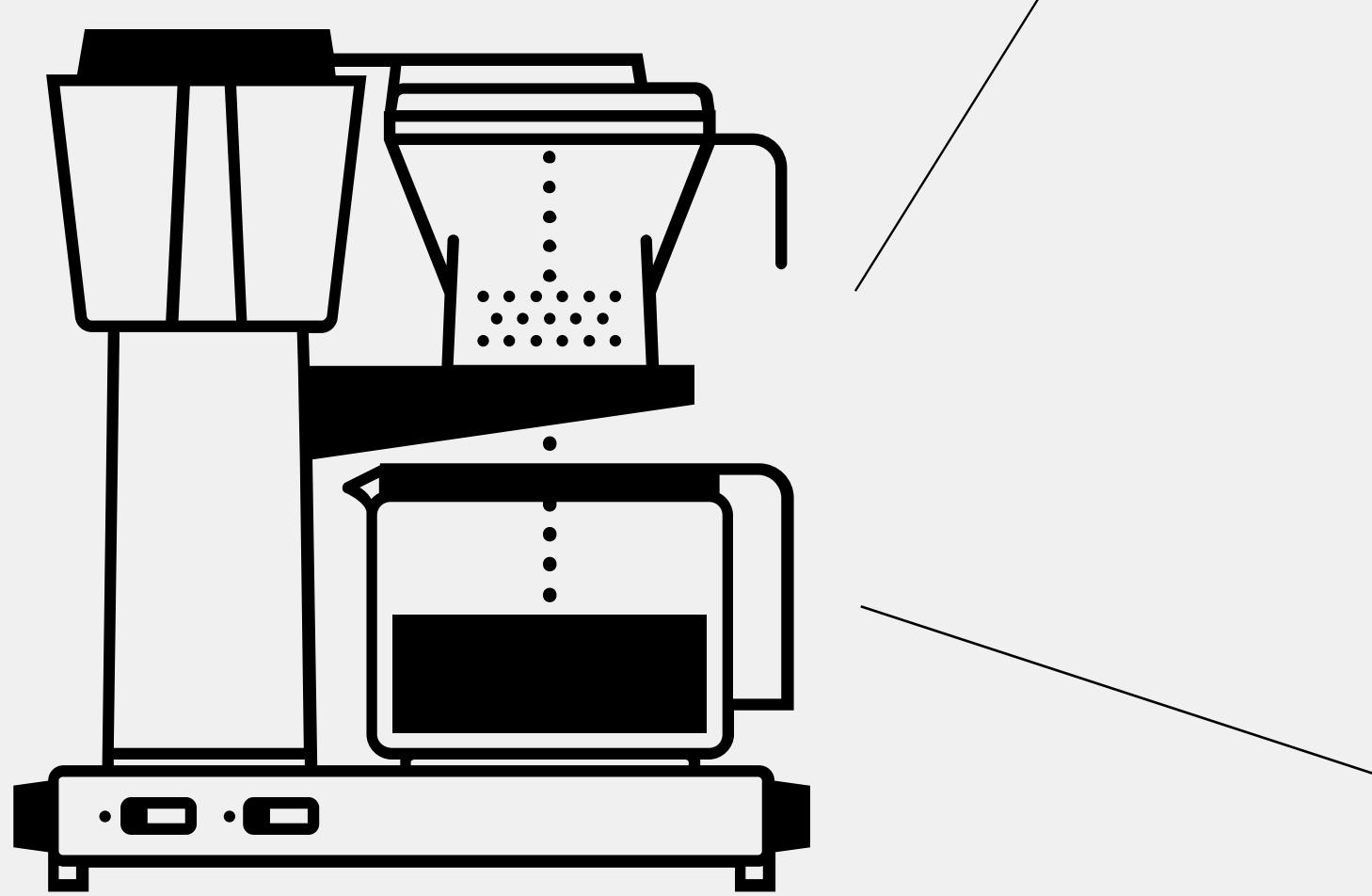


When you look tired, Coffeebot sends a signal to the base station, which begins the coffee brewing process.

Why Coffee?

Coffee is a safe, effective, well tested stimulant that has little or no social stigma attached to it. It has been consumed by humans for years, and shows only mild side effects, even in cases of extreme consumption.

Although there are a variety of stimulants approved for human use through the FDA (such as modafinil, adrafinil, and fluorenil) none of them are as widely accepted as coffee.



Similar Systems

Volkswagen Fatigue Detection System

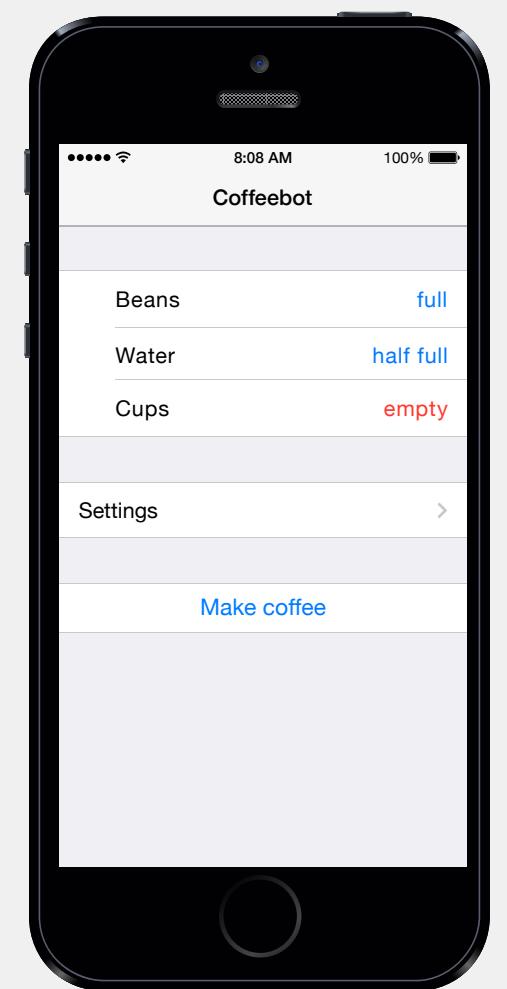
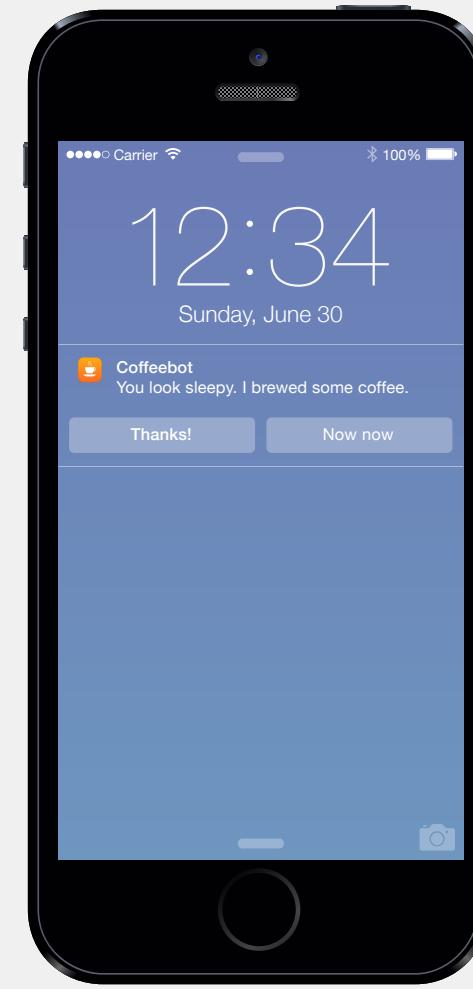
An in-car system that detects fatigue while driving, and encourages users to take breaks. The system tracks eye movement and closure using a camera system. Similar systems have also been created by Volvo, using infrared light.

Barisieur Coffee Brewing Alarm Clock

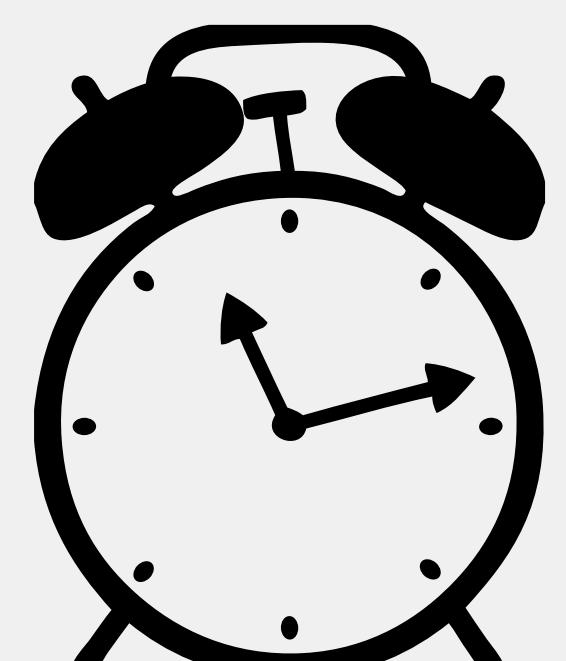
An alarm clock that wakes a user up with freshly brewed coffee. The machine must be reset every evening.

Tweet-a-pot

A DIY project with online instructions, that allows users to brew coffee by sending a certain type of tweet.



The phone app can be used to check Coffeebot's status, and brew coffee on demand. It can also be used to adjust the hours Coffeebot will automatically brew for you.



Coffeebot also syncs with your alarm clock, letting you wake up to fresh brewed coffee