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## LAPTOP DESK

HP INC

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# Laptop Desk

## Abstract

Many times, users put laptops on their legs, which can affect posture, cause physical discomfort, and may cause thermal issues for the laptop. Also, it's hard to bring a standalone laptop desk all the time. Therefore, the idea is to make a combination laptop with an integrated desk.

## Problem Statement

More and more users bring their laptop with them when traveling and use the laptop when they are on the public transportation, in the waiting area when visiting customers, on the bed before sleeping, etc. Some users might have a laptop desk at home, but it may be difficult, impractical, or inconvenient to take the standalone laptop desk with them when traveling. Therefore, it may be beneficial to provide a product which integrates a lap desk into a computer chassis.

## Current Solution on the Market

Standalone laptop desks can be purchased, but they may weigh upwards of around 2 kg. Additionally, they may be large or bulky, and difficult to carry around. Combining the weight of a lap desk and a laptop (weight around 1.5kg) may result in a package that is too heavy and/or large to easily carry in a bag or backpack, as illustrated in Figure 1.



Figure 1

## Our solution

We propose a laptop with pull-out panels to create a desk to support the weight of the laptop, as illustrated in Figure 2. Other benefits of a lap desk may also be implemented, e.g., also including a mouse pad to place and use a mouse. Total weight could be controlled under 2.5kg.



Figure 2

## Design Thinking

Refer to Figure 3, below, for illustration.

1. Pull out the retractable bottom plate from left/ right
2. Fix the bottom plate to let laptop stand smoothly
3. Pull out the retractable mouse pad tray to put mouse onto it.

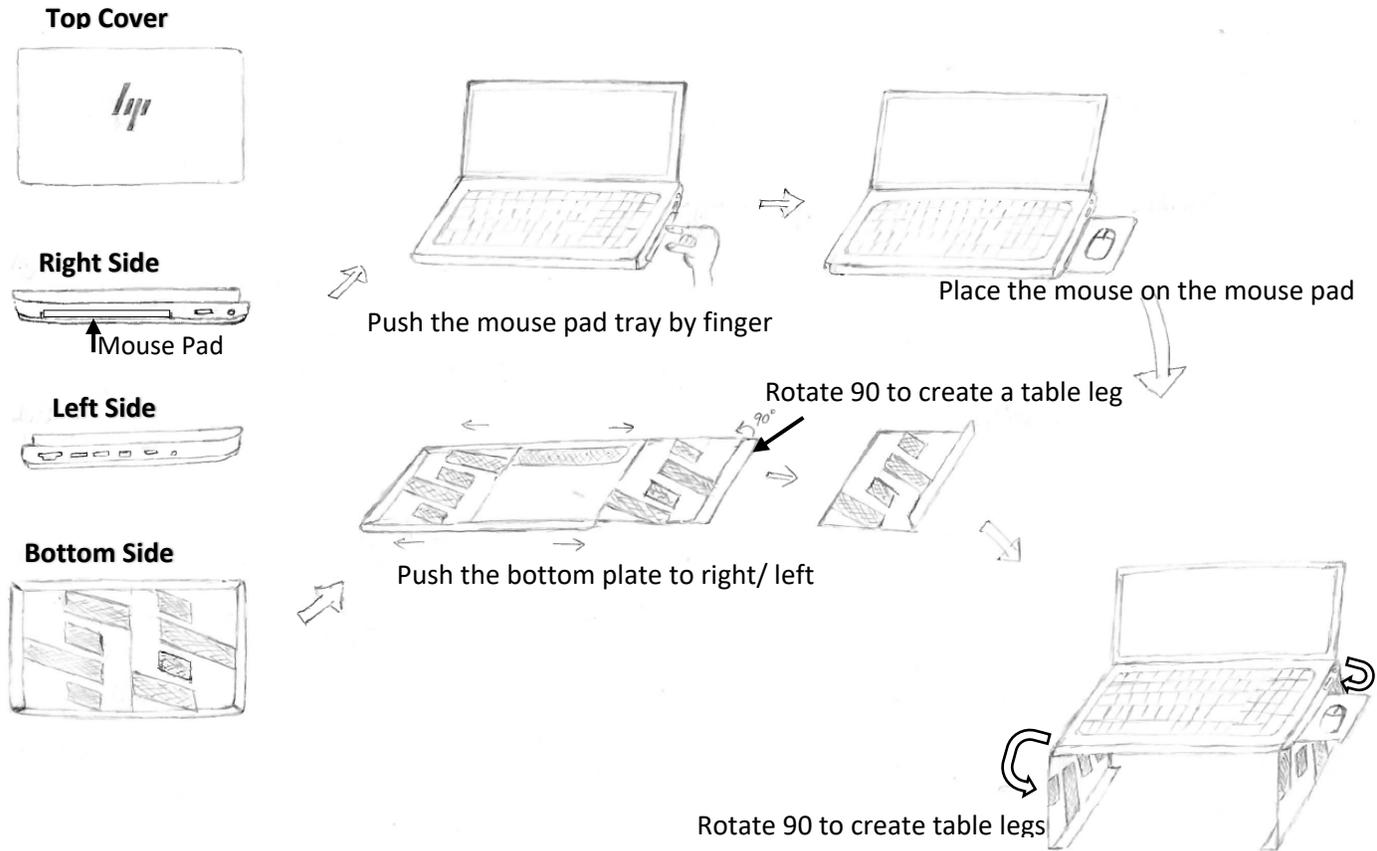


Figure 3

*Disclosed by Danni Cheng, James Chang and Soffy Chang, HP Inc.*