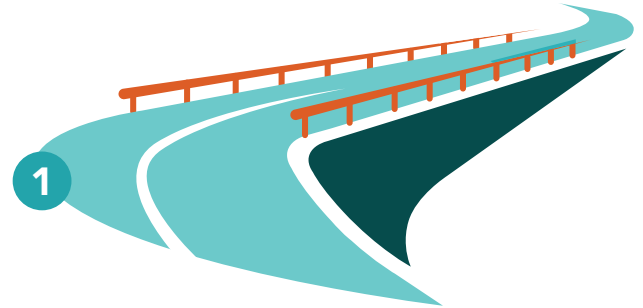





# 5 Error Prevention


**Definition** Good error messages are important, but the best designs **carefully prevent problems** from occurring in the first place. Either eliminate error-prone conditions, or check for them and present users with a confirmation option before they commit to the action.




There are two types of errors: slips and mistakes.

 **Tip:** Prioritize your effort: Prevent high-cost errors first, then little frustrations.

Slips are unconscious errors caused by inattention.

 **Tip:** Avoid slips by providing helpful *constraints* and good defaults.

Mistakes are conscious errors based on a mismatch between the user's mental model and the design.

 **Tip:** Prevent *mistakes* by removing memory burdens, supporting undo, and warning your users.

## 1 Guard rails

*Guard rails on curvy mountain roads prevent drivers from falling off of cliffs.*

## 2 Airline confirmation

*The confirmation page before checking out on airline websites gives users another chance to review the flight details.*

## 3 Date selection on calendar

*Offer good defaults and set boundaries when people book services by dates. Grey out unavailable options.*

