

### Use Case 1: Convert F to C without Button

Step 1: Type requested degree in Fahrenheit

A UI mockup for a temperature conversion application. It features two main sections. The top section is labeled "Degrees Fahrenheit" and contains a text input field with the value "32". The bottom section is labeled "Degrees Celsius" and contains an empty text input field. The entire interface is enclosed in a blue rectangular border.

Step 2: View the Celsius box automatically change based on input

A UI mockup for a temperature conversion application, showing the state after the first step. It features two main sections. The top section is labeled "Degrees Fahrenheit" and contains a text input field with the value "32". The bottom section is labeled "Degrees Celsius" and contains a text input field with the value "0". The entire interface is enclosed in a blue rectangular border.

## Use Case 2: Convert mi to km without Button

Step 1: Type requested value in miles

A screenshot of a web application interface for converting miles to kilometers. The interface is enclosed in a blue border. It features two main sections. The top section is for miles: it has a label 'miles' in a box, and below it, a larger box containing the number '1'. The bottom section is for kilometers: it has a label 'kilometers' in a box, and below it, an empty rectangular box for the result.

Step 2: View the kilometer box automatically change based on input

A screenshot of the same web application interface as in Step 1, but now the result is displayed. The top section for miles remains the same with 'miles' and '1'. The bottom section for kilometers now shows the label 'kilometers' and a box containing the value '1.60934'.

### Use Case 3: Convert lb to kg without Button

Step 1: Type requested value in pounds

A screenshot of a web application interface for converting weight from pounds to kilograms. The interface is enclosed in a blue border. It contains two main sections. The top section is for pounds: it has a label 'pounds' in a box, followed by an input box containing the number '1'. The bottom section is for kilograms: it has a label 'kilogram' in a box, followed by an empty input box. The input boxes are highlighted with blue borders.

Step 2: View the kilogram box automatically change based on input

A screenshot of the same web application interface as in Step 1, but now showing the result of the conversion. The 'pounds' section remains the same with the input '1'. The 'kilogram' section now has an input box containing the value '.4536'. The input boxes are highlighted with blue borders.

#### Use Case 4: Convert gallon to litre without Button

Step 1: Type requested value in gallons

The screenshot shows a web interface for converting gallons to litres. It features two main sections. The top section is for gallons, with a label 'gallons' above a text input field containing the number '1'. The bottom section is for litres, with a label 'litre' above an empty text input field. The entire interface is enclosed in a blue border.

Step 2: View the litre box automatically change based on input

The screenshot shows the same web interface as in Step 1, but now the 'litre' input field contains the value '3.7854'. The 'gallons' input field still contains '1'. The interface is enclosed in a blue border.