

# Google Unit Converter Clone Lite

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Make a frontend JavaScript app (as html page) called **Google Units Converter Clone Lite**

You are provided w comps (graphic design and specs) for the app.

This is the attached jpg. You can also try out the real app by Googling Unit Converter.

Your job is to make it actually work!

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## UI (User Interface)

select menu with options of:

**Temperature**

**Distance**

**Length**

**Weight**

**Time**

Conversion should work in both directions:

Temperature (**C <--> F**)

Distance (**Foot <--> Mile**)

Length (**CM <--> IN**)

Weight (**KG <--> LB**)

Time (**Sec <--> Min**)

**Temperature** is the default menu that appears on page load

under the menu are two input fields (text boxes), one for each unit in the conversion.

the **default** boxes which appear on page load boxes are :

**Fahrenheit**

**Celsius**

The boxes have starter-placeholder values of:

**212 Fahrenheit**

**100 Celsius**

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## UX (User Experience)

- The user chooses a unit from the select menu
  - The user types a number in one box or the other.
  - The user clicks the Convert button or hits enter
  - The conversion / answer appears in the other box
  - The user chooses another unit from the select menu and repeats
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## Conversion Formulas:

### Temperature: Fahrenheit (F), Celsius (C)

$$F = C * 9/5 + 32$$

$$C = (F - 32) \times 5/9$$

### Distance: mile (mi), feet (ft)

$$1 \text{ mi} = 5280 \text{ ft}$$

### Length: inch (in), centimeter (cm)

$$1 \text{ in} = 2.54 \text{ cm}$$

### Weight kilogram (kg), pound (lb), ounce (oz)

$$1 \text{ kg} = 2.20462 \text{ lb}$$

### Time second (sec), minute (min), hour (hr), day

$$1 \text{ min} = 60 \text{ sec}$$