EcomLabs

STEP-BY-STEP GUIDE

Attributes for a mobile checkout

The attributes for every field, ready to copy: autocomplete, type and inputmode so the phone fills in the address and opens the right keyboard. With a tested shipping form and how to check it in the console and on a real phone.

FOR	Your own forms: contact, wholesale, accounts, custom checkout
TESTED WITH	Chromium 151 (Playwright) · local form · no network
UPDATED	October 30, 2026
DOCS	developer.mozilla.org · html.spec.whatwg.org (autofill)
ARTICLE	ecomlabs.dev/g/checkout-en
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BEFORE YOU START

Where this applies

These attributes belong on the forms you build: contact, quote request, wholesale sign-up, accounts, your own apps, or the checkout of a custom storefront. On Shopify, the contact, shipping and payment fields of the checkout are controlled by Shopify: there is no template of yours to change them in.

Three attributes do the work. `autocomplete` tells the browser what goes in the field, so it can offer what the shopper already saved. `type` defines what the field is and how it validates. `inputmode` only asks for a keyboard and validates nothing.

STEP 01

The table, ready to copy

Paste the second column inside the field's tag. The values come from the WHATWG autofill specification, and I tested every one in Chromium.

Contact and address

FIELD	COPY THIS
Full name	`autocomplete="name"`
First name	`autocomplete="given-name"`
Last name	`autocomplete="family-name"`
Email	`type="email" autocomplete="email"`
Phone, full number	`type="tel" autocomplete="tel"`
Phone, without the +1	`type="tel" autocomplete="tel-national"`
Company	`autocomplete="organization"`
Street address	`autocomplete="shipping address-line1"`
Apt, suite, unit	`autocomplete="shipping address-line2"`
Whole address in one field (`<textarea>`)	`autocomplete="shipping street-address"`
City	`autocomplete="shipping address-level2"`
State	`autocomplete="shipping address-level1"`
ZIP code	`inputmode="numeric" pattern="[0-9]{5}" maxlength="5" autocomplete="shipping postal-code"`
Country (`<select>` with `value="US"`)	`autocomplete="shipping country"`

Payment, codes and quantities

FIELD	COPY THIS
Name on card	`autocomplete="cc-name"`
Card number	`inputmode="numeric" autocomplete="cc-number"`
Expiry	`autocomplete="cc-exp"`
Security code	`inputmode="numeric" autocomplete="cc-csc"`
SMS code	`inputmode="numeric" autocomplete="one-time-code"`
Quantity	`type="number" min="1"`
Amount with decimals	`inputmode="decimal"`

- For the billing address, swap `shipping` for `billing`.
- Use `street-address` or the `address-line1` and `address-line2` lines, never both.
- Outside the US, adjust the postal code `pattern` to your country's format, or drop it.

> **CAUTION**
> Never use `type="number"` for a ZIP code, a card or an SMS code. In the test, one arrow press turned "02134" into "2135", and the field took six digits despite `maxlength="5"` and a `pattern`. Keep it for quantities.

STEP 02

A complete shipping form

With a US address (illustrative). Every field has an `id`, a `name` and a label, and everything sits inside a `<form>` with a submit button: MDN warns browsers may require that to autofill.

```
<form action="/order" method="post">
  <label for="name">Full name</label>
  <input id="name" name="name" autocomplete="shipping name" required>

  <label for="email">Email</label>
  <input id="email" name="email" type="email" autocomplete="email" required>

  <label for="phone">Phone</label>
  <input id="phone" name="phone" type="tel" autocomplete="tel" required>

  <label for="address1">Street address</label>
  <input id="address1" name="address1" autocomplete="shipping address-line1" required>

  <label for="address2">Apt, suite, unit (optional)</label>
  <input id="address2" name="address2" autocomplete="shipping address-line2">

  <label for="city">City</label>
  <input id="city" name="city" autocomplete="shipping address-level2" required>
```

```
  <label for="state">State</label>
  <input id="state" name="state" autocomplete="shipping address-level1" required>

  <label for="zip">ZIP code</label>
  <input id="zip" name="zip" inputmode="numeric" pattern="[0-9]{5}" maxlength="5"
         autocomplete="shipping postal-code" required>

  <label for="country">Country</label>
  <select id="country" name="country" autocomplete="shipping country">
    <option value="US">United States</option>
  </select>

  <button type="submit">Continue to payment</button>
</form>
```

The phone field has no `pattern` on purpose: autofill may bring a +1 and spaces. Normalize the number on your server, which should validate everything else too.

STEP 03

Payment fields and codes

If you take payments through your provider's hosted card fields, the provider sets their attributes; check its docs before adding your own. If the fields are yours, use the `cc-` rows of the table. For an SMS verification code:

```
<label for="code">Code we sent you by SMS</label>
<input id="code" name="code" inputmode="numeric" autocomplete="one-time-code" maxlength="6">
```

STEP 04

Check it in the console

Open the page on your computer, open the developer tools console and paste this:

```
console.table([...document.querySelectorAll("input, select, textarea")].map((el) => ({
  field: el.name,
  type: el.type,
  inputmode: el.inputMode,
  autocomplete: el.autocomplete || "⚠ empty or invalid",
})));
```

Each row is a field. If the `autocomplete` column says ⚠, the token is missing or the browser does not recognize it: in Chromium, `zip` or `postcode` come back empty. The check does not catch a valid token on the wrong kind of field; compare against the table in step 01.

STEP 05

Test on a real phone

1. Save an address and a phone number in the phone browser's autofill settings.
2. Open the form from a test URL, not from production.
3. Tap each field: @ on the email, the phone keypad on the phone, digits only on the ZIP code.
4. Tap the first address field and pick the suggestion: every address field should fill in at once.
5. Submit and confirm on your server that the ZIP code arrived with all five digits, leading zero included.
6. Repeat on an iPhone with Safari and an Android phone with Chrome.

WHEN YOU FINISH

Checklist

- [ ] Every personal-data field has a token from the table.
- [ ] Shipping and billing use `shipping` and `billing`.
- [ ] Email is `type="email"` and phone is `type="tel"`.
- [ ] ZIP code, card and SMS codes use `inputmode="numeric"`.
- [ ] No field that is not a quantity uses `type="number"`.
- [ ] Fields sit in a `<form>` with a submit button, each with a `name` and a visible label.
- [ ] No `autocomplete="off"` on fields the shopper should be able to autofill.
- [ ] The console check shows no ⚠.
- [ ] You tested the keyboard and autofill on iPhone and Android.
- [ ] Your server validates the format even though the browser already does.