



EMV®

Secure Remote Commerce

User Interface Guidelines and Requirements

Version 1.1

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Revision Log—Version 1.1

- Updated instances of SRC payment/SRC icon to Click to Pay icon.
- Replaced Figures 3.2, 3.3, 3.4 and 3.5 to include the Click to Pay icon in the Practical Examples.
- Updated references to API tables to reflect most recent updates.

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1 Introduction

This document, *EMV® Secure Remote Commerce User Interface Guidelines and Requirements* (hereafter “the SRC UI Guidelines”), describes the user interface (UI) components, corresponding elements, guidelines and requirements within Consumer interactions in the SRC checkout.

This document is intended to be a complementary document to the *EMV Secure Remote Commerce Specification*. The reader therefore needs to have read the Specifications and understood the principles and functions of Secure Remote Commerce (SRC).

1.1 Scope

This document provides the SRC UI Element and Component Library which identifies the SRC User Interface (UI) components, component elements, presentation guidelines, requirements and their assembly on specific screens.

Any UI screen is optional based on implementation and use case. UI components and elements are conditionally required whenever there is a UI present.

Note: Elements included in this document may change depending on geographical and regional requirements.

1.2 Constraints

- Example screens are provided only for illustrative purposes. Implementations may vary.
- The example screens included in this document are for a mobile experience. However, these guidelines can be adjusted to accommodate different screen sizes.

1.3 References

The following documents are related to or are associated with SRC and are located at <https://www.emvco.com/>.

Table 1.1: References

Reference	Publication Name
Specification	<i>EMV® Secure Remote Commerce—Specification</i>
SRC API	<i>EMV® Secure Remote Commerce Specification—API</i>
SRC JavaScript SDK	<i>EMV® Secure Remote Commerce Specification—JavaScript SDK</i>
SRC Reproduction Requirements	<i>EMV® Secure Remote Commerce Click to Pay Trademark Reproduction Requirements</i>
SRC Data Dictionary	<i>EMV® Secure Remote Commerce—Data Dictionary</i>

1.4 Audience

This document is intended for SRC System Participants that deliver UI components and elements for an SRC experience.

1.5 Definitions

For the definition of terms used in this document, refer to Table 1.3 Definitions in the *Secure Remote Commerce Specification*.

2 UI Element & Component Library

This library outlines the User Interface (UI) elements and components that can exist in various touchpoints of the SRC experience. A UI component is a general term used to refer to any group of user interface elements packaged together to facilitate a user interaction. UI elements are foundational building blocks that can exist alone or joined together as components.

This library outlines component presentation guidelines, corresponding SRC data elements, requirements and the component's purpose in the SRC experience.

2.1 Presentation Details

Table 2.1 provides the SRC UI Element and Component Library. The following list identifies the information provided within the table:

- **Required (R)**—The presence of the UI component or element is expected
- **Optional (O)**—The presence of the UI component or element is optional
- **Conditional (C)**—The UI component or element is expected under certain conditions (as specified in the presentation description)
- **Notation (N)**—Identifier of the UI component or element. UI components are labelled with a single letter (for example, A) while their corresponding elements are labelled with the component's letter and a numeral (for example A1)
- **Components**—Identifies the component name using bold text
- **Elements**—Identifies the element name
- **API Data Element**—A reference to an data element defined in the *SRC API Specification and SRC Data Dictionary*
- **User Interaction**—Identifies the type of user interaction that the component or element facilitates
 - **Clickable**—An active element or component that when clicked, tapped or touched will produce a reaction
 - **Selectable**—A list of items on which the user is presented with multiple options to select
 - **Display Only**—An element or component that is non-actionable
 - **Data Entry**—An element that allows/requires the input of data from the Consumer

Table 2.1: SRC UI Element and Component Library

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
A = SRC Trigger Provides the starting point for an SRC experience and is placed on the Digital Payment Application.	Clickable	R	N/A
B = Click to Pay icon Indicates that the Consumer will be presented with an SRC experience.	Display Only	R	N/A
C = Card Display Info Facilitates the Consumer recognition of available payment cards to facilitate card selection. <ul style="list-style-type: none"> • C1 = Card Art - Provides the Consumer visual recognition and selection of their Digital Card. <ul style="list-style-type: none"> • C2 = Card Descriptor - Provides the Consumer with textual recognition of their Digital Card. 	Selectable N/A N/A	R R R	<ul style="list-style-type: none"> • artUri • artHeight • artWidth For additional information see Table 2.19 in <i>EMV Secure Remote Commerce Specification—API</i> . <ul style="list-style-type: none"> • descriptorName • presentationName For additional information see Table 2.19 in <i>EMV Secure Remote Commerce Specification—API</i> .

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
<ul style="list-style-type: none"> C3 = Digital Card Feature - Displays specific card related information provided by the SRC System. <p>C3 Condition: If entity displaying UI decides to show digital card feature for one card, then they must show digital card feature for all applicable cards in candidate list. This only applies for the applicable cards for which the UI is capable of displaying the relevant <code>contentType</code>.</p>	Display Only	C	<ul style="list-style-type: none"> <code>digitalCardFeature</code> <p>For additional information see Table 2.20 in <i>EMV Secure Remote Commerce Specification—API</i>.</p> <p>Note: For <code>contentType</code> of <code>TEXT_STRING</code>, the UI must be capable of displaying 2 lines of text and any necessary wrapping must be at the word level.</p>
<p>D = Navigation</p> <p>Provides Consumers a way to exit the SRC experience entirely and provides a clear way to move forward and backwards within the SRC experience.</p> <ul style="list-style-type: none"> D1 = Exit to Merchant - Provides a path for the Consumer to revert back to the merchant website. D2 = Call to action specific to screen - Provides a path for the Consumer to move forward or backwards within the SRC experience. 	Clickable	R O O	N/A
<p>E = Screen Info</p> <p>Provides information to the Consumer regarding a particular screen.</p> <ul style="list-style-type: none"> E1 = Screen Title - States the purpose of and/or action that the Consumer should take. 	Display Only	R O	N/A

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
<ul style="list-style-type: none"> E2 = Instructional Text - Extension of Screen Title and provides more context if needed. 		O	
<p>F = Input Fields</p> <p>Provides Consumer fields to enter their identity or validation data.</p> <ul style="list-style-type: none"> F1 = Consumer Identity - Provides Consumer fields to enter their identity information. F2 = Validation - Provides Consumer a field to enter their validation data. 	Data Entry	R R R	<ul style="list-style-type: none"> identityType identityValue <p>For additional information see Table 2.15 in <i>EMV Secure Remote Commerce Specification—API</i>.</p> <ul style="list-style-type: none"> validationData <p>For additional information see Table 2.41 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>
<p>G = Consumer Controls</p> <p>Provides a path or data field for Consumer to take action.</p> <ul style="list-style-type: none"> G1 = Add New Card - Provides a mechanism for Consumers to associate a new card to their SRC Profile. G2 = Resend Validation - Resends Validation Data (OTP) G3 = Link Path - Provides a path for the Consumer to take further action in context to the element or component where it is being presented. 	Clickable	R O O O	N/A

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
<p>H = Shipping Address Enables the Consumer to view their shipping information.</p> <ul style="list-style-type: none">• H1 = First and Last Name• H2 =Address Line 1• H3 = Address Line 2• H4 = Address Line 3• H5 = City• H6 = State/Province• H7 = Country/Region• H8 = Postal Code/Zip Code• H9 = Phone Number	Display only (with Optional edit)	<input type="radio"/> O <input type="radio"/> O	<ul style="list-style-type: none">• name• line1• line2• line3• city• state• countryCode• zip <p>For additional information see Table 2.4 in <i>EMV Secure Remote Commerce Specification—API</i>.</p> <ul style="list-style-type: none">• countryCode• phoneNumber <p>For additional information see Table 2.36 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
<ul style="list-style-type: none">• H10 = Contact Info		O	<ul style="list-style-type: none">• mobileNumber• emailAddress <p>For additional information see Table 2.8 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>
<p>I = Billing Address</p> <p>Enables Consumers to view their billing information.</p> <ul style="list-style-type: none">• I1 = First and Last Name• I2 =Address Line 1• I3 = Address Line 2• I4 = Address Line 3• I5 = City• I6 = State/Province• I7 = Country/Region• I8 = Postal Code/Zip Code	Display only (with Optional edit)	O	<ul style="list-style-type: none">• name• line1• line2• line3• city• state• countryCode• zip <p>For additional information see Table 2.4 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>

Notation/Components/Elements	User Interaction	Display Type R/O/C	API Data Elements
<ul style="list-style-type: none">I9 = Phone NumberI10 = Contact Info		O O	<ul style="list-style-type: none">countryCodephoneNumber <p>For additional information see Table 2.36 in <i>EMV Secure Remote Commerce Specification—API</i>.</p> <ul style="list-style-type: none">mobileNumberemailAddress <p>For additional information see Table 2.8 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>
J = Consumer Identifier Provides personalisation and recognition for the Consumer	Clickable	O	<ul style="list-style-type: none">identityTypeidentityValue <p>For additional information see Table 2.15 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>
K = DCF Logo Informs the Consumer which DCF they are interacting with throughout the SRC experience.	Display only	O	<ul style="list-style-type: none">logoUri <p>For additional information see Table 2.16 in <i>EMV Secure Remote Commerce Specification—API</i>.</p>

3 SRC Screen Builder

A screen is an assembly of UI components in a single scrollable view. This section provides reference examples depicting how screens can be built using SRC elements and components. A practical example is also provided to illustrate how a specific combination of components and elements will appear. Additionally, each SRC screen type example includes a table of available components and elements.

Figure 3.1: Example Screens

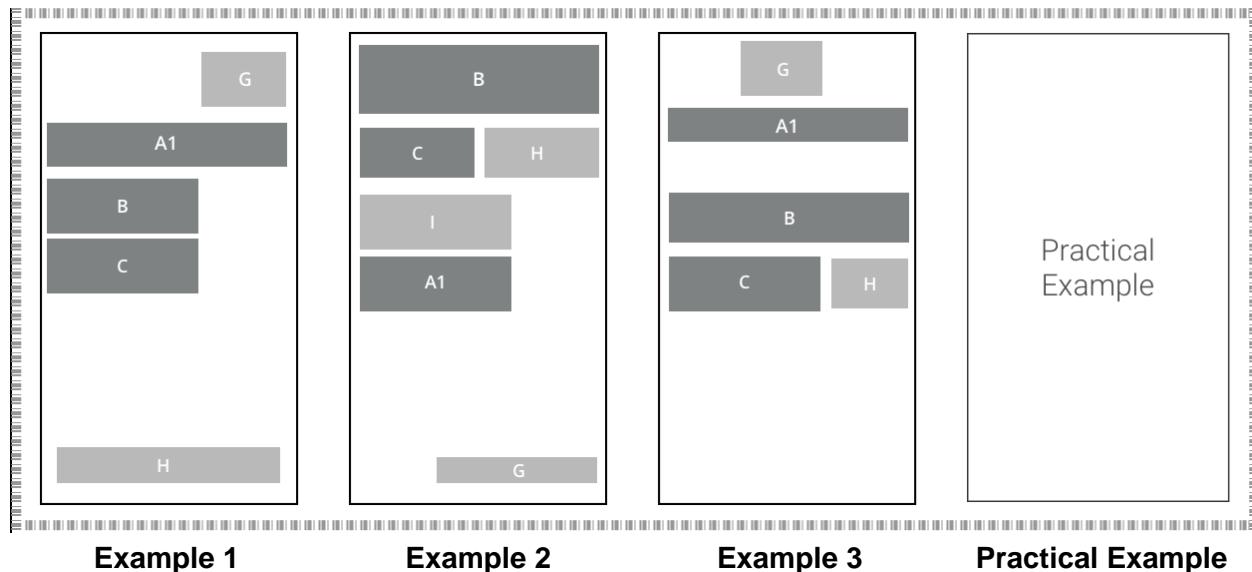


Table 3.1: Example SRC Elements and Components

N	UI Element	Display Type R/O/C
A	Example Component A	R
• A1	• Example Element A1	
B	Example Component B	R
C	Example Component C	R
G	Example Component G	O
H	Example Component H	O

N	UI Element	Display Type R/O/C
I	Example Component I	O

3.1 SRC Trigger

The SRC Trigger, through Consumer interaction initiates an SRC experience and will be placed on the Digital Payment Application. The SRC Trigger enables Consumers to expect an SRC experience. For further details please refer to the *EMV Secure Remote Commerce Click to Pay Trademark Reproduction Requirements* located in the Trademark Centre on emvco.com.

3.2 Consumer Identity Entry

The Consumer Identity Entry screen enables Consumers (if prompted) to input additional data in order to complete SRC recognition and establish the Consumer's SRC Profile as described in the *EMV Secure Remote Commerce Specification*.

Figure 3.2: Example Screens—Consumer Identity Entry

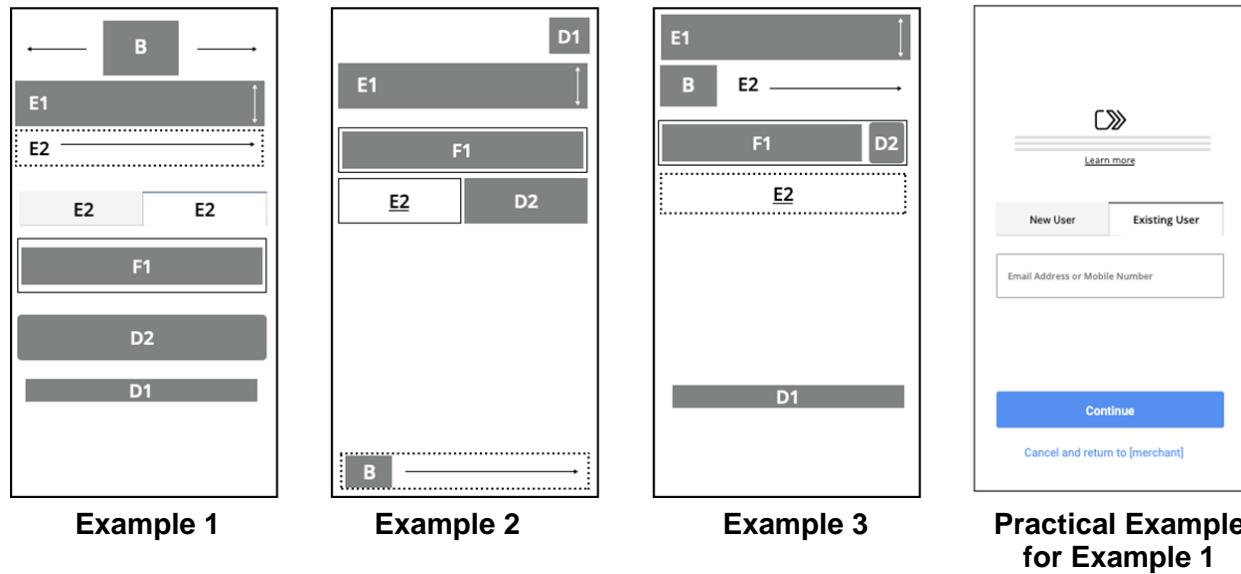


Table 3.2: SRC Element and Components—Consumer Identity Entry

Notation	UI Element	Display Type R/O/C
B	Click to Pay icon	R
D	Navigation	R
• D1	• Exit to Merchant	O
• D2	• Call to action specific to screen	O
E	Screen Info	R
• E1	• Screen Title	O
• E2	• Instructional Text (Underline could represent text)	O
F	Input Fields	R
• F1	• Consumer Identity	R

3.3 Consumer Assurance

The Consumer Assurance screen enables the Consumer to enter the validation data required to access the SRC Candidate List.

Figure 3.3: Example Screens—Consumer Assurance

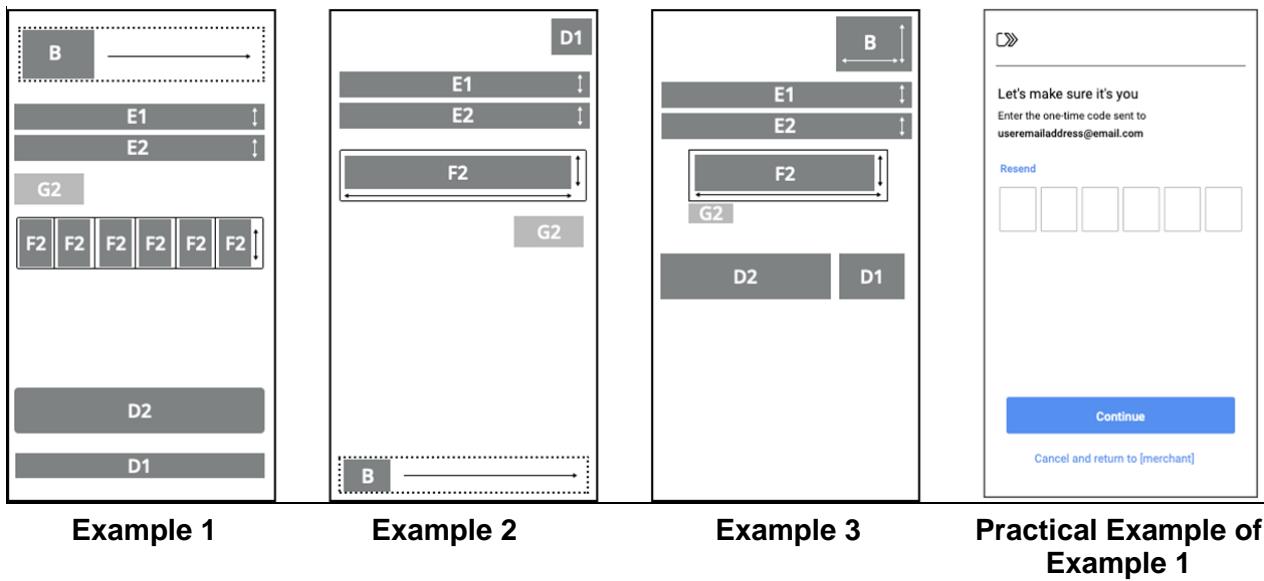


Table 3.3: SRC Element and Components—Consumer Assurance

N	UI Element	Display Type R/O/C
B	Click to Pay icon	R
D	Navigation <ul style="list-style-type: none">• D1<ul style="list-style-type: none">• Exit to Merchant• D2<ul style="list-style-type: none">• Call to action specific to screen	R O O
E	Screen Info <ul style="list-style-type: none">• E1<ul style="list-style-type: none">• Screen Title• E2<ul style="list-style-type: none">• Instructional Text	R O O
F	Input Fields	R

N	UI Element	Display Type R/O/C
• F2	• Assurance	R
G	User Controls	O
• G2	• Resend Assurance	O

3.4 SRC Candidate List

The SRC Candidate List screen enables Consumers to view and select their Digital Cards or add a new Digital Card. Because the cards are tied to a specific Consumer Identity, the Consumer Identity needs to be validated in order to display the SRC Candidate List. If the Consumer has more cards than what the screen allows, the screen should facilitate the ability to scroll to view the remaining Digital Cards.

Figure 3.4: Example Screens—SRC Candidate List

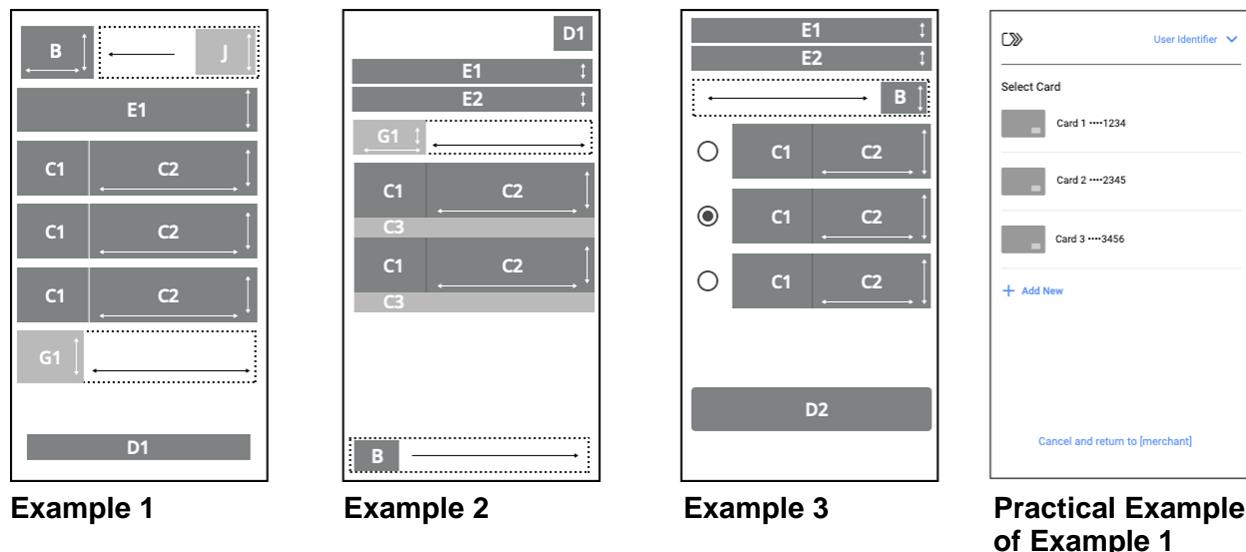


Table 3.4: SRC Element and Components—SRC Candidate List

N	UI Element	Display Type R/O/C
B	Click to Pay icon	R
C	Card Display <ul style="list-style-type: none">• C1 <ul style="list-style-type: none">• Card Art (When applicable, supports image display) Customized card art or generic• C2 <ul style="list-style-type: none">• Card Descriptor• C3 <ul style="list-style-type: none">• Digital Card Feature	R R R C
D	Navigation <ul style="list-style-type: none">• D1 <ul style="list-style-type: none">• Exit to Merchant• D2 <ul style="list-style-type: none">• Call to action specific to screen	R O O
E	Screen Info <ul style="list-style-type: none">• E1 <ul style="list-style-type: none">• Screen Title• E2 <ul style="list-style-type: none">• Instructional Text	R O O
G	User Controls <ul style="list-style-type: none">• G1 <ul style="list-style-type: none">• Add new card	O O
J	Consumer Identifier	O

3.5 Payment Method and Cardholder Information Confirmation

The Payment Method and Cardholder Information Confirmation screen enables Consumers to verify and confirm their information and payment method before completing the SRC experience.

Figure 3.5: Example Screens—Payment Method and Cardholder Information Confirmation

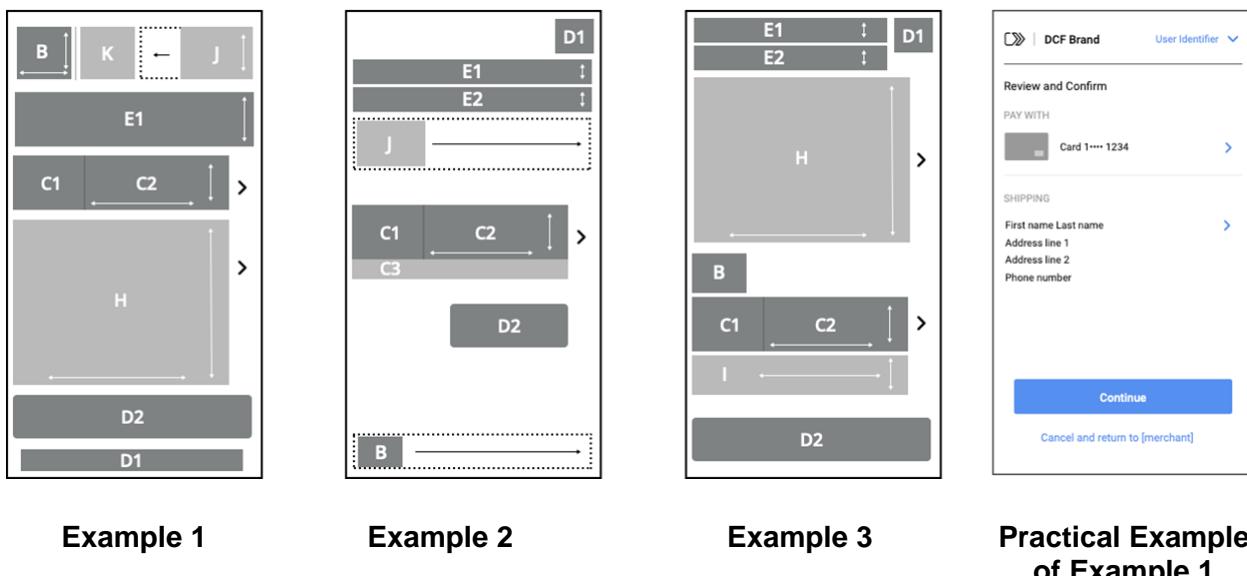


Table 3.5: SRC Element and Components—Payment Method and Cardholder Information Confirmation

N	UI Element	Display Type R/O/C
B	Click to Pay icon	R
C	Card Display	R
• C1	• Card Art	R
• C2	• Card Descriptor	R
• C3	• Digital Card Feature	C
D	Navigation	R
• D1	• Exit to Merchant	
• D2	• Call to action specific to screen	
E	Screen Info	R
• E1	• Screen Title	O
• E2	• Instructional Text	O
G	User Controls	O
• G3	• Link Path	O
H	Shipping Address	O
I	Billing Address	O
J	Consumer Identifier	O
K	DCF Logo	O

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