


# PAY API React Native Technical Review

- API/SDK Integration Test Cases
- Wallet Integration Test Cases (Apple Pay / Google Pay)
- SDK tyroError
- TyroSDK PaySheet
- UI Checks Apple Pay
- UI Checks Google Pay
- API Error Codes

|   |  |
|---|--|
| Test location - Tyro Connect Location ID (TCID) |  |
| ClientId (dev)                                  |  |
| APP test account access                         |  |
| Evidence of test cases passed                   |  |
| Test cases list                                 |  |

## API/SDK Integration Test Cases

| Test Ref | Test Case   | Required  (y/n) | The Integration  | TESTING STEPS   | Additional Info   | Results and Screenshots |
|----------|---|---|--|---|---|-------------------------|
| API-1    | <b>App can Accept an Online Payment using Cards</b><br><br>1. Visa<br>2. Mastercard<br>3. Other card types supported (AMEX/JCB) | Yes   | 1. Navigating to the App's checkout page the App initiates a <b>POST</b> <code>/pay/requests</code> creating a new Pay Request from it's server.<br>2. Apps' server Receives back a <b>201</b> and the Pay Request in the response body<br>3. A <b>NEW_PAY_REQUEST</b> event is received on connect-pay.<br>a. The Pay Request status is <b>"AWAITING_PAYMENTS_INPUT"</b><br>b. Webhook of <b>"NEW_PAY_REQUEST"</b> called | 1. Send a test payment from the App's checkout page. The payment is successfully processed and the result displayed on screen.<br>2. Tyro to Check in Admin Endpoint for success - <b>Postman / Admin endpoints / connect-pay / pay-requests / find pay-requests (enter TCID to search)</b><br>3. Pay Request in Admin Endpoint should:<br>o Have correct pay amount that was displayed on checkout<br>▪ amount<br>▪ currency (AUD)<br>o Status shows <b>"SUCCESS"</b> after successful payment | Live pay request won't be submitted until partner is live<br><br>• Success Visa (sandbox)<br>o Card Number: 4111 1111 1111 1111<br><br>• Success Mastercard (sandbox) |                         |

|       |   |   |   |  |  |  |
|-------|---|---|---|--|--|--|
|       |   |   | <p>4. Apps' server receives back a valid pay secret in the returned Pay Request and passes back to the App.</p> <p>a. Pay secret is used to initialise the PaySheet</p> <p>b. No error messages when initiating PaySheet</p> <p>5. Enter card details and submit the Pay Request</p> <p>6. Event <b>PAY_REQUEST_SUCCESS</b> is received once the Pay Request has succeeded</p> <p>a. The Pay Requests status is changed to <b>"SUCCESS"</b></p> <p>b. Webhook <b>"PAY_REQUEST_SUCCESS"</b> called</p> <p>7. App displays the success result on screen</p> <p>8. Repeat for all Card types</p> | <ul style="list-style-type: none"> <li>operationResult should be <b>"SUCCESS"</b> and <b>"APPROVED"</b></li> <li>Have the Origin <ul style="list-style-type: none"> <li>orderId</li> </ul> </li> <li>Have the provider details <ul style="list-style-type: none"> <li>name</li> <li>method</li> </ul> </li> </ul> <p>4. To view detail of all steps - check Webhooks logs:</p> <p><a [{\"refid\":\"a\",\"datasource\":="" \"querytype\":\"range\"}],\"range\":="" `lr0z12s26r3vsu5ril2nayoh8="" `new_pay_request`="" datasource\":\"p8e80f9aef21f6940\",\"queries\":="" hkra2yb@clients`\",="" href="https://grafana.prd.tyro.cloud/explore?orgId=1&amp;left={\" {\"from\":\"now-30d\",\"to\":\"now\"}}"="" {\"type\":\"loki\",\"uid\":\"p8e80f9aef21f6940\"},\"editormode\":\"builder\",\"expr\":\"{container%3d\\\"platform-webhooks\\\"}=""  %3d="">https://grafana.prd.tyro.cloud/explore?orgId=1&amp;left={\"datasource\":\"P8E80F9AEF21F6940\",\"queries\": [{\"refId\":\"A\",\"datasource\": {\"type\":\"loki\",\"uid\":\"P8E80F9AEF21F6940\"},\"editorMode\":\"builder\",\"expr\":\"{container%3D\\\"platform-webhooks\\\"}  %3D `NEW_PAY_REQUEST`  %3D `lr0Z12s26r3VSU5rIL2nAYoH8 HKrA2yB@clients`\", \"queryType\":\"range\"}],\"range\": {\"from\":\"now-30d\",\"to\":\"now\"}}}</a></p> <p>5. All steps of API is documented here - </p> <p><a href="#">API</a></p> | <ul style="list-style-type: none"> <li>Card Number: 5100 0000 0000 0008</li> </ul> |  |
| API-2 | <b>App can Accept an Online Payment that triggers 3DS</b> | Yes   | <ul style="list-style-type: none"> <li>As in API-1</li> <li>Use card 4111111111112002 <ul style="list-style-type: none"> <li>Challenge code: <b>123456</b></li> </ul> </li> </ul>   | <ul style="list-style-type: none"> <li>As in test case API-1</li> <li>3DS Webview is triggered during payment <ul style="list-style-type: none"> <li>Challenge code entered</li> </ul> </li> </ul>   |  |  |
| API-3 | <b>App can save a Pay Method</b>                          | No - Partner to advise if they are implementing | <p>1. Using the App, a user can select an option to save their Pay Method.</p> <p>2. Navigating to the checkout page, the App initiates a <b>POST</b> <b>/pay/requests</b> with <b>payMethod.save = true</b> from it's server.</p> <p>a. Apps' server Receives back a <b>201</b></p> <p>3. User enters card details and submits the Pay Request</p>   | <p>1. Using the App, a user can select an option to save their Pay Method.</p> <p>2. User enters card details and submits the Pay Request</p> <p>a. 3DS challenge if required</p> <p>3. Check in Admin Endpoint for success - <a href="#">Postman / Admin endpoints / connect-pay / pay-methods / find pay-methods</a></p>   |  |  |

a. 3DS challenge if required

4. **NEW\_PAY\_METHOD** webhook event is called when saving a Pay Method

a. **Possible flow 1**

i. After receiving the above webhook, App initiates a **GET** `pay/method/{payMethodId}` to retrieve the `payMethod.customerId` from the `payMethod` response

ii. App saves the `customerId` and `payMethodId`

5. App receives back the successful Pay Request and displays the success on the frontend

a. **Possible flow 2**

i. App retrieves the customer and `payMethod ID`'s from the `payMethod` field on the returned Pay Request

ii. App saves the `customerId` and `payMethodId`

(use APP Client ID to search)

4. More detail in webhooks logs:

**NEW\_PAY\_METHOD** -

[https://grafana.prd.tyro.cloud/explore?orgId=1&left={\"datasource\":\"P8E80F9AEF21F6940\", \"queries\": \[{\"refId\":\"A\", \"datasource\": {\"type\":\"loki\", \"uid\":\"P8E80F9AEF21F6940\"}, \"editorMode\":\"builder\", \"expr\":\"{container%3D\\\"platform-webhooks\\\"} |%3D`NEW\\_PAY\\_METHOD` |%3D`4lguBeWV4yu16iniVN2HkmVG0hl3xuak@clients`\", \"queryType\":\"range\"}\], \"range\": {\"from\":\"now-30d\", \"to\":\"now\"}}}](https://grafana.prd.tyro.cloud/explore?orgId=1&left={\)

5. App saves the `customerId` and `payMethodId`

6. The Pay Method in Admin Endpoint should match what was entered/saved

- card
  - brand
  - expiryMonth
  - expiryYear
  - firstSixDigits
  - lastFourDigits

```
1 "payMethod": {
2   "id": "6f512671",
3   "save": true,
4   "customerId": "1234567890"
5 }
```

```
1 "card": {
2   "brand": "visa",
3   "expiry": "12/2021-12/2022",
4   "firstSixDigits": "123456",
5   "lastFourDigits": "7890",
6 },
7 "number": "1234567890123456789012345678901234",
8 "scheme": "visa",
9 "name": "John Doe",
10 "fund": "credit",
11 }
```

|       |   |   |   |   |  |
|-------|---|---|---|---|--|
| API-4 | <b>App can reuse a Pay Method</b> <ul style="list-style-type: none"> <li>Success</li> </ul> | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>In the App's checkout flow               <ol style="list-style-type: none"> <li>returning customer with a saved customerId</li> </ol> </li> <li>App initiates <b>GET</b> <code>/pay/methods?customerId={customerId}</code></li> <li>App displays Pay Methods on screen</li> <li>User selects a saved Pay Method (Assuming one exists)</li> <li>User navigates to the checkout page</li> <li>App initiates <b>POST</b> <code>/pay/requests</code> setting the <code>payMethod.id</code>, <code>payMethod.customer</code> parameters and action to <code>"SUBMIT"</code> from it's server</li> <li>Check Pay Request was successful</li> </ol> | <ul style="list-style-type: none"> <li>Customer's saved payment methods are displayed (optional)</li> <li>Customer can select Pay Method or it may be set automatically</li> <li>Automatically submits Pay Request and displays status on screen when previously authenticated               <ul style="list-style-type: none"> <li>Paysheet should not be displayed in this case</li> </ul> </li> <li>Frontend handles the responses, <code>"PROCESSING"</code> and <code>"SUCCESS"</code> statuses</li> </ul> |  |
| API-5 | <b>App can Delete a Pay Method</b>  | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>User can select an option to delete a saved Pay Method</li> <li>the App will then initiate <b>DELETE</b> <code>/pay/methods/{payMethodId}</code> from its server</li> </ol>  | <ul style="list-style-type: none"> <li>Pay Method should no longer come up as an option</li> <li>Returns <b>200</b></li> <li>Frontend displays some feedback that the Pay Method has been deleted</li> </ul>  | <ul style="list-style-type: none"> <li>Check Pay Method is deleted using <b>GET</b> <code>/pay/methods?customerId=&lt;customerId&gt;</code></li> </ul> |
| API-6 | <b>App can Refund a Pay Request</b>   | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>After capturing a Pay Request</li> <li>App has some view to refund a Pay Request</li> <li>App initiates a <b>POST</b> <code>/pay/refunds</code> from its server               <ol style="list-style-type: none"> <li>Returns <b>201</b></li> </ol> </li> </ol>   | <ul style="list-style-type: none"> <li>Pay Request was Refunded</li> <li>Correct amount Refunded</li> </ul> <pre> 1  { 2      "id": "8f4f67f5-14", 3      "payRequestId": "1", 4      "status": "SUCCESS", 5      "total": { 6          "amount": 350, 7          "currency": "USD", 8      }, </pre>   | <ul style="list-style-type: none"> <li>Pay Request status shows <code>"SUCCESS"</code></li> <li>refundedAmount shown matches</li> </ul>                |

|       |  |   |  |   |   |  |
|-------|--|---|--|---|---|--|
|       |  |   |  | <pre> 9      "createdAt": "202 10     "updatedAt": "202 11   } </pre>   | amount refunded   |  |
| API-7 | <b>App can Void a Pay Request</b>        | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>1. After authorising a Pay Request</li> <li>2. App has some view to void a Pay Request</li> <li>3. App initiates a <b>PATCH</b> <code>/pay/requests/{payRequestId}</code> from its server <ol style="list-style-type: none"> <li>a. Returns <b>200</b></li> </ol> </li> </ol> | <ul style="list-style-type: none"> <li>• Pay Request was successfully voided</li> </ul> <pre> "status": "VOIDED" </pre> <pre> 1      "order": 2      "id": 3      "status": 4      "currency": 5      "amount": 6      "auth": 7      "capture": 8      "refund": 9      "merchant": 10     "merchant": 11     "created": 12     "updated": 13   } </pre> | <ul style="list-style-type: none"> <li>• Check status will be set to <b>"VOIDED"</b></li> <li>• Check order status is <b>"CANCELLED"</b></li> </ul> |  |
| API-8 | <b>App can Retrieve a Refund Request</b> | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>1. App has some view to show a refund request</li> <li>2. App initiates a <b>GET</b> <code>/pay/refunds/{refundRequestId}</code> from its server <ol style="list-style-type: none"> <li>a. Returns <b>200</b></li> </ol> </li> </ol>  | <ul style="list-style-type: none"> <li>• The specified Refund Request is returned</li> <li>• Refund details are correct</li> </ul> <pre> 1  { 2    "id": "f9c1ec3d-7 3    "payRequestId": " 4    "status": "SUCCESS 5    "total": { 6      "amount": 350 7      "currency": " 8    }, 9    "createdAt": "202 10   "updatedAt": "202 11 } </pre>           |   |  |
| API-9 | <b>App can list all Refunds</b>          | No - Partner to advise if they are implementing | <ol style="list-style-type: none"> <li>1. App has some view to list all refunds</li> <li>2. App initiates <b>GET</b> <code>/pay/refunds</code> from its server <ol style="list-style-type: none"> <li>a. Returns <b>200</b></li> </ol> </li> <li>3. The refunds are displayed or used in some way</li> </ol>         | <ul style="list-style-type: none"> <li>• List of all Refunds is returned</li> </ul> <pre> 1  { 2    "id": "01ee5b 3    "payRequestId" 4    "status": "SU 5    "total": { 6      "amount": 7      "currency" 8    }, 9    "createdAt": 10   "updatedAt": 11 }, 12 { 13   "id": "abfe0f </pre>  |   |  |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  | <pre> 14         "payRequestId" 15         "status": "SU 16         "total": { 17             "amount": 18             "currency" 19         }, 20         "createdAt": 21         "updatedAt": 22     }, </pre> |  |  |
|--|--|--|--|--|--|--|

## Wallet Integration Test Cases (Apple Pay / Google Pay)

| Test Ref | Test Case  | Required (y/n) | Steps  | Outcomes   | Additional Info   | Results |
|----------|--|----------------|--|--|---|---------|
| WAL-1    | App can Accept a Wallet Payment on Android device using Google Pay | Yes            | <ol style="list-style-type: none"> <li>1. User has setup Google Pay on their Android device</li> <li>2. User navigates to the Apps checkout page on their Google Pay enabled android device <ol style="list-style-type: none"> <li>a. Google Pay button should be displayed</li> </ol> </li> <li>3. User completes payment using the Google Pay button</li> <li>4. Payment was successful</li> </ol> | <ul style="list-style-type: none"> <li>• Should process the Payment successfully using Google Pay <ul style="list-style-type: none"> <li>◦ Google Pay button was displayed</li> <li>◦ No errors while using Google Pay</li> </ul> </li> <li>• App notices the Pay Request status is "SUCCESS" from the Tyro SDK <ul style="list-style-type: none"> <li>◦ Should display something to indicate success on frontend</li> </ul> </li> </ul> | Pay Request should: <ul style="list-style-type: none"> <li>• Have correct payment amount that was displayed on the checkout</li> <li>◦ a</li> <li>◦ o</li> <li>◦ u</li> <li>◦ n</li> <li>◦ t</li> <li>◦ c</li> <li>◦ u</li> <li>◦ r</li> <li>◦ e</li> <li>◦ n</li> <li>◦ c</li> <li>◦ y</li> <li>◦ (</li> <li>◦ A</li> <li>◦ U</li> </ul> |         |

|       |                |     |   |  |   |  |
|-------|----------------|-----|---|--|---|--|
|       |                |     |   |  | <div>D<br/>)<ul style="list-style-type: none"><li>• Have the status showing "SUCCESS" after successful payment</li><li>• Have the Origin order ID</li><li>• Have the provider details<ul style="list-style-type: none"><li>◦ name</li><li>◦ email</li><li>◦ phone</li><li>◦ address</li></ul></li></ul></div> |  |
| WAL-2 | App can Accept | Yes | 1. User has setup Apple Pay on their iOS device | <ul style="list-style-type: none"><li>• Should process the Payment</li></ul> | Pay Request   |  |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  | <p>a</p> <p>Wallet<br/>Payment on<br/>iOS<br/>device<br/>using<br/>Apple<br/>Pay</p> |  | <p>2. User navigates to the Apps checkout page on their Apple Pay enabled iOS device</p> <p>a. Apple Pay button should be displayed</p> <p>3. User completes payment using the Apple Pay button</p> <p>4. Payment was successful</p> | <p>successfully using Apple Pay</p> <ul style="list-style-type: none"><li>◦ Apple Pay button was displayed</li><li>◦ No errors while using Apple Pay</li><li>• App notices the Pay Request status is "SUCCESS" from the Tyro SDK<ul style="list-style-type: none"><li>◦ Should display something to indicate success on frontend</li></ul></li></ul> | <p>t should:</p> <ul style="list-style-type: none"><li>• Have correct payment amount that was displayed on the checkout<ul style="list-style-type: none"><li>◦ a minimum unit of currency (AUD)</li></ul></li><li>• Have status showing "SUCCESS" after successful payment</li></ul> |  |
|--|--|--|--|--|--|--|



|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  | men<br>t<br><ul style="list-style-type: none"> <li>• Have the Origin <ul style="list-style-type: none"> <li>◦ order</li> </ul> </li> <li>• Have the provider details <ul style="list-style-type: none"> <li>◦ name</li> <li>◦ email</li> </ul> </li> </ul> |  |
|--|--|--|--|--|--|--|--|

## SDK tyroError

| Test Ref | Test Case                   | Required (y/n) | Steps   | Outcomes  | Additional Info | Results |
|----------|-----------------------------|----------------|---|---|-----------------|---------|
| TE-REQ   | <b>Failed Pay Requests:</b> |                |   |   |                 |         |
| TE-REQ-1 | <b>Declined Payment</b>     | Yes            | 1. Navigate to Apps checkout page<br>2. Enters test card that will decline e.g.<br>4111111111111103 | <ul style="list-style-type: none"> <li>• App is checking for tyroError</li> <li>• Failed payment is displayed on screen</li> <li>• DECLINED is visible as the reason</li> </ul> |                 |         |
| TE-REQ-2 | <b>Expired Card</b>         | Yes            | 1. Navigate to Apps checkout page<br>2. Enters test card that fails due to expired                  | <ul style="list-style-type: none"> <li>• App is checking for tyroError</li> <li>• Failed payment is displayed on screen</li> </ul>  |                 |         |

|          |  |     |  |   |  |  |
|----------|--|-----|--|---|--|--|
|          |  |     | card<br>e.g.<br>4111111111111104   | <ul style="list-style-type: none"> <li>EXPIRED_CARD is visible as the reason</li> </ul>   |  |  |
| TE-REQ-3 | <b>3DS Failure</b>   | Yes | 1. Navigate to Apps checkout page<br>2. Enters test card that fails 3DS frictionless<br>e.g.<br>4111111111111208 | <ul style="list-style-type: none"> <li>App is checking for tyroError</li> <li>Failed payment is displayed on screen</li> <li>THREED_SECURE_FAILED is visible as the reason</li> </ul> |  |  |
| TE-PAY   | <b>Paysheet - tyroError cases</b><br><br>Partner to be aware of these error states     |     |  |   |  |  |
| TE-PAY-1 | <b>PAYSHEET_INIT_FAILED</b>  | Yes | 1. Tyro to test<br>a. While using the app this shouldn't occur   | <ul style="list-style-type: none"> <li>Paysheet should load successfully on screen</li> </ul>   | Occurs when the paysheet has failed to be initialised with the initPaySheet method |  |
| TE-PAY-2 | <b>INVALID_PAY_SECRET</b>  | Yes | 1. Tyro to test<br>a. While using the app this shouldn't occur   | <ul style="list-style-type: none"> <li>Paysheet should load successfully on screen</li> </ul>   | Occurs when the paysheet attempted to initialise with an incorrect pay secret      |  |
| TE-PAY-3 | <b>NO_PAY_SECRET</b>   | Yes | 1. Tyro to test<br>a. While using the app this shouldn't occur   | <ul style="list-style-type: none"> <li>Paysheet should load successfully on screen</li> </ul>   | Occurs when the paysheet attempted to initialise without passing in a pay secret   |  |
| TE-TPR   | <b>TyroProvider - tyroError cases</b><br><br>Partner to be aware of these error states |     |  |   |  |  |
| TE-TPR-1 | <b>NOT_INITIALISED</b>   | Yes | 1. Tyro to test<br>a. While using the app this error shouldn't occur   | <ul style="list-style-type: none"> <li>Paysheet should load successfully on screen</li> </ul>   | Occurs when the TyroProvider component is not instantiated correctly               |  |

|          |                             |     |  |   |   |  |
|----------|-----------------------------|-----|--|---|---|--|
| TE-TPR-2 | <b>ENVIRONMENT_MISMATCH</b> | Yes | 1. Tyro to test<br>a. While using the app this error shouldn't occur | <ul style="list-style-type: none"> <li>Paysheet should load successfully on screen</li> </ul> | Occurs when the TyroProvider was passed a liveMode value that does not match the pay request's isLive value |  |
|----------|-----------------------------|-----|--|---|---|--|

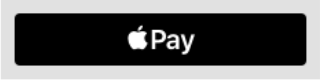








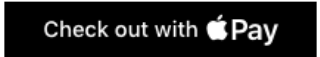

## TyroSDK PaySheet



| Test Ref | UI Test Case             | Required (y/n) | Steps   | Outcomes  | Additional Info   | Results |
|----------|--------------------------|----------------|---|---|---|---------|
| PS-1     | <b>PaySheet</b>          | Yes            | <ul style="list-style-type: none"> <li>Navigating to checkout page</li> <li>Pay Form is rendered</li> <li>Visually check form is displaying properly i.e. all input fields visible, nothing being cut off, input titles not squished</li> </ul>   | <ul style="list-style-type: none"> <li>Pay Form is displayed on screen correctly</li> </ul>   | Form Elements Present: <ul style="list-style-type: none"> <li>Supported Payment types</li> <li>Card Number Field</li> <li>Name on Card Field</li> <li>Expiry Date Field</li> <li>Security Code Field</li> </ul> Form fits view port |         |
| PS-2     | <b>Submit Pay button</b> | Yes            | <ul style="list-style-type: none"> <li>Navigating to checkout page</li> <li>Submit button is rendered               <ul style="list-style-type: none"> <li>Button is fully visible/not cut-off</li> </ul> </li> <li>Clicking on button submits the filled out form</li> <li>Title of the button is appropriate e.g. Pay, Pay Now, etc</li> <li>Only 1 button to submit the Pay Sheet</li> <li>Button will only submit once per pay request</li> </ul> | <ul style="list-style-type: none"> <li>Submit Pay button displayed on screen</li> <li>Button works as expected               <ul style="list-style-type: none"> <li>Submits the Pay Request</li> <li>Submits only once</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Success flow Visa Card Number:               <ul style="list-style-type: none"> <li>4111111111111111</li> </ul> </li> <li>Button is provided by the Partner</li> </ul>                       |         |

|      |                                   |     |   |   |  |  |
|------|-----------------------------------|-----|---|---|--|--|
| PS-3 | <b>Display Pay Request Status</b> | Yes | <ul style="list-style-type: none"> <li>• Submit Pay Request success or failure</li> <li>• SUCCESS status displayed on Frontend if success flow</li> <li>• FAILED status displayed on Frontend if fail flow</li> </ul> | <ul style="list-style-type: none"> <li>• The status of the Pay Request is displayed clearly for the customer on the Frontend including: <ul style="list-style-type: none"> <li>◦ SUCCESS</li> <li>◦ FAILED</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Handles the following statuses <ul style="list-style-type: none"> <li>◦ SUCCESS</li> <li>◦ FAILED</li> </ul> </li> <li>• Success flow Visa Card Number: <ul style="list-style-type: none"> <li>◦ 4111111111111111</li> </ul> </li> <li>• Failure flow Card Number: <ul style="list-style-type: none"> <li>◦ 4111111111111103</li> </ul> </li> </ul> |  |
| PS-4 | <b>Form missing card number</b>   | Yes | <ul style="list-style-type: none"> <li>• Enter all form details except card number</li> <li>• Click Submit</li> </ul>   | <ul style="list-style-type: none"> <li>• Form will not submit due to missing card number</li> <li>• Form error is displayed above/below the missing card number</li> </ul>  | <ul style="list-style-type: none"> <li>• Partner App should set the onSubmit for their Pay button to use the provided submitPayForm method which will handle such form validation checks</li> </ul>  |  |
| PS-5 | <b>Form missing name on card</b>  | Yes | <ul style="list-style-type: none"> <li>• Enter all form details except name on card</li> <li>• Click Submit</li> </ul>  | <ul style="list-style-type: none"> <li>• Form will not submit due to missing name</li> <li>• Form error is displayed above/below the missing name</li> </ul>  | <ul style="list-style-type: none"> <li>• Partner App should set the onSubmit for their Pay button to use the provided submitPayForm method which will handle such form validation checks</li> </ul>  |  |
| PS-6 | <b>Form missing expiry date</b>   | Yes | <ul style="list-style-type: none"> <li>• Enter all form details except expiry date</li> <li>• Click Submit</li> </ul>   | <ul style="list-style-type: none"> <li>• Form will not submit due to missing expiry date</li> <li>• Form error is displayed above/below the missing expiry date</li> </ul>  | <ul style="list-style-type: none"> <li>• Partner App should set the onSubmit for their Pay button to use the provided submitPayForm method which will handle such form validation checks</li> </ul>  |  |
| PS-7 | <b>Form missing security code</b> | Yes | <ul style="list-style-type: none"> <li>• Enter all form details except security code</li> <li>• Click Submit</li> </ul>   | <ul style="list-style-type: none"> <li>• Form will not submit due to missing security code</li> <li>• Form error is displayed above/below the missing security code</li> </ul>  | <ul style="list-style-type: none"> <li>• Partner App should set the onSubmit for their Pay button to use the provided submitPayForm method which will handle such form validation checks</li> </ul>  |  |
| PS-8 | <b>Form has expired card date</b> | Yes | <ul style="list-style-type: none"> <li>• Enter all form details but the card expiry date is in the past</li> </ul>  | <ul style="list-style-type: none"> <li>• Form will not submit due card being expired</li> <li>• Expired error is displayed above/below</li> </ul>   | <ul style="list-style-type: none"> <li>• Partner App should set the onSubmit for their Pay button to use the provided</li> </ul>   |  |



|  |  |  |  |                               |  |  |
|--|--|--|--|-------------------------------|--|--|
|  |  |  | <ul style="list-style-type: none"> <li>Click Submit</li> </ul> | the expired card date on form | submitPayForm method which will handle such form validation checks |  |
|--|--|--|--|-------------------------------|--|--|

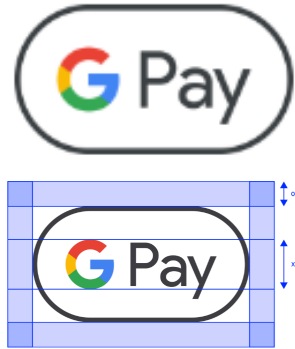
## UI Checks Apple Pay

| Test Ref | UI Test Case  | Steps   | Outcomes  | Examples   |
|----------|---|---|---|--|
| UIA-1    | <b>Apple Pay Button Styles:</b> <ol style="list-style-type: none"> <li>Black Apple Pay button</li> <li>White Apple Pay Button with black outline</li> <li>White Apple Pay button no outline               <ol style="list-style-type: none"> <li></li> </ol> </li> <li>Apple Pay buttons corner radius               <ol style="list-style-type: none"> <li>Must match other buttons displayed with it</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>Visually check Apple Pay button style</li> </ol> | <ol style="list-style-type: none"> <li>Black Apple Pay Button               <ol style="list-style-type: none"> <li>Background is white/light coloured</li> </ol> </li> <li>White with outline               <ol style="list-style-type: none"> <li>Background is white/light coloured</li> </ol> </li> <li>White with no outline               <ol style="list-style-type: none"> <li>background is dark coloured with good contrast</li> </ol> </li> <li>Apple Pay Button Corner Radius               <ol style="list-style-type: none"> <li>Corners match those of other buttons displayed with it</li> </ol> </li> </ol> |            <p>Minimum corner radius</p> |

|       |   |   |  |   |
|-------|---|---|--|---|
|       |   |   |  | <div>Check out with </div> <div>Add to Cart</div> <div>Maximum corner radius</div> |
| UIA-2 | <b>Apple Pay Mark:</b> <ol style="list-style-type: none"> <li>Apple Pay Mark uses the artwork provided by Apple</li> <li>Apple Pay Mark Usage <ol style="list-style-type: none"> <li>is not used as a payment button</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>Visually Inspect Apple Pay Mark</li> <li>Check it is just a graphic</li> </ol> | <ol style="list-style-type: none"> <li>Apple Pay Mark <ol style="list-style-type: none"> <li>The Apple Pay Mark looks to be the correct artwork provided by Apple</li> <li>The Apple Pay Mark does not look like the correct artwork supplied by Apple</li> </ol> </li> <li>Apple Pay Mark Usage <ol style="list-style-type: none"> <li>Mark is used to indicate Apple Pay as payment type</li> <li>Mark is used for another purpose other than indicating Apple Pay as payment type e.g. as a payment button</li> </ol> </li> </ol> | Correct Look of Apple Pay Mark   |

## UI Checks Google Pay

| Test Ref | UI Test Case   | Steps  | Outcomes  | Examples  |
|----------|--|--|---|---|
| UIG-1    | <b>Google Pay Button Styles</b> <ol style="list-style-type: none"> <li>White Google Pay button</li> <li>Black Google Pay button</li> <li>Consistency of Style</li> </ol> | <ol style="list-style-type: none"> <li>Visually check Google Pay Button style each time it is displayed</li> </ol> | <ol style="list-style-type: none"> <li>White Google Pay Button <ol style="list-style-type: none"> <li>Used on dark/contrasting background</li> </ol> </li> <li>Black Google Pay Button <ol style="list-style-type: none"> <li>Used on light/contrasting background</li> </ol> </li> </ol> | <div>Pay with  Pay</div> <div>Pay with  Pay</div> |

|           |  |   |   |   |
|-----------|--|---|---|---|
| UIG<br>-2 | <b>Google Pay Mark</b> <ol style="list-style-type: none"> <li>Usage of artwork</li> <li>Display of text</li> <li>Clear Space</li> <li>Size</li> <li>Usage of mark</li> </ol>       | <ol style="list-style-type: none"> <li>Visually check Google Pay mark has correct:             <ol style="list-style-type: none"> <li>Art</li> <li>Display of text</li> <li>Clear space</li> <li>Sizing</li> <li>Usage i.e. not clickable</li> </ol> </li> </ol>          | <ol style="list-style-type: none"> <li>Usage of artwork             <ol style="list-style-type: none"> <li>The displayed Google Pay mark uses the sanctioned graphic</li> </ol> </li> <li>Display of text             <ol style="list-style-type: none"> <li>Google Pay is displayed next to the mark if doing so for other brands</li> </ol> </li> <li>Clear Space             <ol style="list-style-type: none"> <li>Mark has at least 0.5x the height of clear space around it and is even with the other brands</li> </ol> </li> <li>Size             <ol style="list-style-type: none"> <li>Mark matches the size of other brands displayed in payment flow</li> </ol> </li> <li>Usage of mark             <ol style="list-style-type: none"> <li>Mark is only used to indicate Google Pay as payment option. (i.e. it is not a button)</li> </ol> </li> </ol> |  |
| UIG<br>-3 | <b>Google Pay in Text</b> <ol style="list-style-type: none"> <li>Capitalize</li> <li>Abbreviations</li> <li>Text Style</li> <li>Translation</li> <li>"Google Pay" usage</li> </ol> | <ol style="list-style-type: none"> <li>Visually check Google Pay in text has correct             <ol style="list-style-type: none"> <li>Capitalisation</li> <li>Abbreviations</li> <li>Text Style</li> <li>Translation</li> <li>"Google Pay" usage</li> </ol> </li> </ol> | <ol style="list-style-type: none"> <li>Capitalize             <ol style="list-style-type: none"> <li>"G" and "P" are always uppercase if/when written in text</li> </ol> </li> <li>Abbreviations             <ol style="list-style-type: none"> <li>"Google" and "Pay" are not abbreviated</li> </ol> </li> <li>Text Style             <ol style="list-style-type: none"> <li>"Google Pay" is set in same font/style as rest of text</li> </ol> </li> <li>Translation             <ol style="list-style-type: none"> <li>"Google Pay" is always in English</li> </ol> </li> <li>"Google Pay" usage             <ol style="list-style-type: none"> <li>If other brand identities displayed in text, then Google Pay is also displayed in text</li> </ol> </li> </ol>   | "Google Pay"  |

## API Error Codes

The Follow error codes are something to be aware of.

| API - Error Codes                                       | Description  |
|---|--|
| <b>Create Pay Request - POST</b>                        |  |
| 400   | When the provided payload is not valid.  |
| 403   | When you don't have the right permissions to create a Pay Request for the provided location.   |
| <b>Update or Execute Actions on Pay Request - PATCH</b> |  |
| 400   | When the provided payload is not valid.  |
| 404   | When the provided <code>payRequestId</code> does not match a Pay Request stored in the system. |
| <b>Retrieve Pay Request - GET</b>                       |  |

|  |  |
|--|--|
| 404                                    | When the provided <code>payRequestId</code> does not match a Pay Request stored in the system.       |
| Retrieve a Pay Method - <b>GET</b>     |  |
| 404                                    | When the provided <code>payMethodId</code> does not match a Pay Method stored in the system.         |
| Delete a Pay Method - <b>DELETE</b>    |  |
| 400                                    | When invalid <code>payMethodId</code> format provided.   |
| 404                                    | When invalid <code>payMethodId</code> , <code>partnerId</code> combination provided.                 |
| Create a Refund Request - <b>POST</b>  |  |
| 400                                    | When the provided payload is not valid.  |
| 403                                    | When you don't have the right permissions to create a Refund Request.                                |
| List All Refunds - <b>GET</b>          |  |
| 403                                    | When you don't have the right permissions to list refunds.   |
| Retrieve a Refund Request - <b>GET</b> |  |
| 404                                    | When the provided <code>refundRequestId</code> does not match a Refund Request stored in the system. |