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openapi: 3.0.1
info:
  title: Digital Health Check Home Order API
  description: "Digital Health Check Home order
placement services"
  version: 1.0.0
servers:
  - url: "${server_url}"
    variables:
      basePath:
        default: ${self:custom.settings.basePath}
x-amazon-apigateway-request-validators:
  full:
    validateRequestBody: true
    validateRequestParameters: true
x-amazon-apigateway-request-validator : full
paths:
  /HomeOrder/LabTest:
    post:
      tags:
        - Single LabTest Order Placement
      summary: Create single test kit order for a lab
based test kit
      operationId: labTestOrder
      security:
        - RequestAuthorizer: [ ]
      x-amazon-apigateway-request-validator: full
      x-amazon-apigateway-integration:
        credentials:
        passthroughBehavior: "never"
        httpMethod: "POST"
        type: "aws"
        timeoutInMillis: 29000
        responses:
          default:
            statusCode: 201
            responseTemplates:
              application/json:
            requestTemplates:
              application/json:
        parameters:
          - $ref:
"#/components/parameters/Authorization"
          - $ref: "#/components/parameters/ApiKey"
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    - $ref:
"#/components/parameters/CorrelationId"
  requestBody:
    content:
      application/json:
        schema:
          $ref:
"#/components/schemas/CreateOrderRequest"
    required: true
  responses:
    '201':
      description: Created
      content:
        application/json:
          schema:
            $ref:
"#/components/schemas/CreateOrderResponse"
    headers:
      X-Correlation-Id:
        schema:
          type: string
          format: uuid
        description: The correlation ID of the
original request
    400:
      description: Invalid input<hr><strong>Please
note that the response may have different formats as shown
in the examples. Content may vary depending on the data
provided.</strong>
      content:
        application/json:
          schema:
            $ref:
"#/components/schemas/ErrorResponse"
    examples:
      Additional properties:
        value:
          code: INVALID_INPUT
          message: "[object instance has
properties which are not allowed by the schema:
[\"extraField\"]]"
      Duplicated tests:
        value:
          code: INVALID_INPUT
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message: "[array must not contain
duplicate elements]"
Invalid correlation ID:
value:
code: INVALID_INPUT
message: "X-Correlation-Id is not
in the correct UUID format"
Invalid email address:
value:
code: INVALID_INPUT
message: "[string \"a@.com\" is not
a valid email address]"
Invalid JSON body:
value:
code: INVALID_INPUT
message: "[Unknown error parsing
request body]"
Invalid type:
value:
code: INVALID_INPUT
message: "[instance type (integer)
does not match any allowed primitive type (allowed:
[\"string\"])]"
Invalid subject ID:
value:
code: INVALID_INPUT
message: "[input string \"a\" is not
a valid UUID]"
Missing required properties:
value:
code: INVALID_INPUT
message: "[object has missing
required properties
([\"email\", \"firstName\", \"lastName\"])]"
Not allowed value:
value:
code: INVALID_INPUT
message: "[instance value (\"abc\")
not found in enum (possible values:
[\"email\", \"mobile\", \"none\"])]"
Property does not match the pattern:
value:
code: INVALID_INPUT
message: "[ECMA 262 regex
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\"^\\+[[\d, \ -()]{6,20}$|^0[[\ (-]?7[[\d\\
()-]{9,12}$\" does not match input string \"044\""]"
```

Too long value:

value:

code: INVALID_INPUT

message: "[string

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\\"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
aaaaaaaaaaaaaaaa\" is too long (length: 66, maximum
allowed: 64)]"
```

Too short value:

value:

code: INVALID_INPUT

message: "[string \"\" is too short

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(length: 0, required minimum: 1)]"
```

headers:

X-Correlation-Id:

schema:

type: string

format: uuid

description: The correlation ID of the

original request

401:

\$ref: '#/components/responses/401'

403:

\$ref: '#/components/responses/403'

415:

\$ref: '#/components/responses/415'

406:

\$ref: '#/components/responses/406'

500:

\$ref: '#/components/responses/500'

components:

parameters:

Authorization:

in: header

name: Authorization

required: true

description: JWT token

schema:

\$ref:

"#/components/securitySchemes/RequestAuthorizer"

ApiKey:

name: X-API-Key

in: header

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    required: true
    schema:
      type: string
  CorrelationId:
    name: X-Correlation-Id
    in: header
    required: true
    schema:
      type: string
      format: uuid
  schemas:
    healthCheckId:
      type: string
      example: EZ6U-4UVF-G45G-4ID5-9D5M
      pattern:
        ^[0-9A-Z]{4}\-[0-9A-Z]{4}\-[0-9A-Z]{4}\-[0-9A-Z]{4}\-[0-9A-Z]{4}$
      description: "Unique, system-generated identifier for the test<br><small>- Each Id passed into a single request must be unique, with no duplicate Ids across the entire request. Otherwise an HTTP 400 error response will be returned with code <code>INVALID_INPUT</code>.</small>"
    CreateOrderRequest:
      type: object
      additionalProperties: false
      properties:
        healthCheckId:
          type: string
          description: "unique ID of the patients health check instance"
          example: "987654321"
        patientId:
          type: string
          format: uuid
          example:
            "a0caa681-328e-4442-8cbf-b42e2c53460c"
          description: "Unique ID of the health check patient"
        hcOrderID:
          type: string
          description: "The Health Checks unique ID for the Home Order request"
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    example: "987654321"
  orderType:
    type: string
    enum:
      - hbalc
      - cholesterol
      - both
    example: "hbalc"
  firstName:
    type: string
    description: "First name of the subject"
    minLength: 1
    maxLength: 64
    pattern:
      ^[\w"\-,.]*[^\_!;?÷?¿\/\\+=@#$$%^&*(){}|~<>;:[\]]*$
    example: "Jane"
  lastName:
    type: string
    description: "Last name of the subject"
    minLength: 1
    maxLength: 64
    pattern:
      ^[\w"\-,.]*[^\_!;?÷?¿\/\\+=@#$$%^&*(){}|~<>;:[\]]*$
    example: "Smith"
  deliveryAddress:
    type: object
    additionalProperties: false
    description: "Delivery address of the subject"
    required:
      - addressLine1
      - postcode
      - townCity
    properties:
      addressLine1:
        type: string
        minLength: 1
        maxLength: 60
        description: "Address line 1"
        example: "Flat 6, Hill House"
      addressLine2:
        type: string
        minLength: 1
        maxLength: 60
        description: "Address line 2"
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        example: "49 Kingswood Drive"
    postcode:
        type: string
        description: "Postal code"
        pattern: ^[A-Za-z]{1,2}\d[A-Za-z\d]?\
?\\d[a-zA-Z]{2}$|^([Gg][Ii][Rr]\\s?0[Aa]{2}$|^([Bb][Ff][Pp][Oo]\\
?\\d{1,4}$|^([ac-fhknprtvyAC-FHKNPRTV-Y][0-9]{2}|D6W)
[-]?[0-9ac-fhknprtvyAC-FHKNPRTV-Y]{4}$
        example: "B74 2AN"
    townCity:
        type: string
        minLength: 1
        maxLength: 50
        description: "City or Town of Residence"
        example: "Birmingham"
    mobile:
        type: string
        description: "Mobile phone number of the
subject"
        pattern: ^\\+([\\d,\\ -()]){6,20}$|^0[\\ -]?7[\\d\\
()-]{9,12}$
        example: "+447111111111"
    email:
        type: string
        format: email
        maxLength: 256
        description: "Email address of the subject"
        example: "hello@test.com"
    preferredContactMethod:
        description: "Order placement notification
preference"
        type: string
        enum:
            - email
            - mobile
            - none
        example: "email"
    orderDetails:
        type: object
        additionalProperties: false
        description: "Additional information that may
be relevant"
        example: "Some important stuff about the
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delivery"
  required:
    - patientId
    - firstName
    - lastName
    - deliveryAddress
    - email
    - preferredContactMethod
CreateOrderResponse:
  type: object
  properties:
    orderID:
      type: string
      description: "unique ID of the Home Order"
      example: "123456789"
    healthCheckId:
      type: string
      example: "987654321"
      description: "confirmation of the Healthcheck
sent as part of the order request"
    patientId:
      type: string
      format: uuid
      example:
"3f1af1db-ba2d-4524-b3fc-91d4dce78bb4"
      description: "Unique ID of the health check
patient"
    fulfillmentOrderId:
      type: string
      description: "unique Fulfillment Id of the
order placed"
    ErrorResponse:
      type: object
      properties:
        code:
          type: string
        message:
          type: string
    UndeliverableErrorResponse:
      type: object
      properties:
        code:
          type: string
        message:
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```
        type: string
    undeliverableReason:
        type: string
responses:
  '401':
    description: Unauthorised user
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/ErrorResponse'
        example:
          code: UNAUTHORIZED
          message: Unauthorized
    headers:
      X-Correlation-Id:
        schema:
          type: string
          format: uuid
          description: The correlation ID of the
original request
  '403':
    description: Access denied
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/ErrorResponse'
        example:
          code: ACCESS_DENIED
          message: User is not authorized to access
this resource with an explicit deny
    headers:
      X-Correlation-Id:
        schema:
          type: string
          format: uuid
          description: The correlation ID of the
original request
  '406':
    description: Unable to deliver stock
    content:
      application/json:
        schema:
          oneOf:
            - $ref:
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'#/components/schemas/ErrorResponse'
  - $ref:
'#/components/schemas/UndeliverableErrorResponse'
  examples:
    stock available:
      value:
        code: NO_STOCK_AVAILABLE
        message: There is no stock available for
the test type you have requested
      Undeliverable postcode:
        value:
          code: UNDELIVERABLE_POSTCODE
          message: The given postcode is not
deliverable
          undeliverableReason: scottish_island
  headers:
    X-Correlation-Id:
      schema:
        type: string
        format: uuid
        description: The correlation ID of the
original request
      '415':
        description: Unsupported Media Type
        content:
          application/json:
            schema:
              $ref: '#/components/schemas/ErrorResponse'
            example:
              code: UNSUPPORTED_MEDIA_TYPE
              message: Unsupported Media Type
        headers:
          X-Correlation-Id:
            schema:
              type: string
              format: uuid
              description: The correlation ID of the
original request
          '422':
            description: Unprocessable entity
            content:
              application/json:
                schema:
                  $ref: '#/components/schemas/ErrorResponse'
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    example:
      code: UNPROCESSABLE_ENTITY
      message: Failed to validate data
  headers:
    X-Correlation-Id:
      schema:
        type: string
        format: uuid
        description: The correlation ID of the
original request
    '429':
      description: Too Many Requests
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/ErrorResponse'
          example:
            code: TOO_MANY_REQUESTS
            message: Too many requests
      headers:
        X-Correlation-Id:
          schema:
            type: string
            format: uuid
            description: The correlation ID of the
original request
    '500':
      description: 'Server error, something has gone
wrong'
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/ErrorResponse'
          example:
            code: SERVER_ERROR
            message: 'Oops, something went wrong on our
end'
      headers:
        X-Correlation-Id:
          schema:
            type: string
            format: uuid
            description: The correlation ID of the
original request
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securitySchemes:
  RequestAuthorizer:
    type: apiKey
    name: Authorization
    in: header
    x-amazon-apigateway-authtype: custom
    x-amazon-apigateway-authorizer:
      type: request
      identitySource:
method.request.header.Authorization
  authorizerResultTtlInSeconds: 0
x-amazon-apigateway-gateway-responses:
  DEFAULT_4XX:
    responseParameters:
      gatewayresponse.header.Access-Control-Allow-Origin: '*'
      gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
      gatewayresponse.header.Strict-Transport-Security: "max-age=31536000; includeSubdomains; preload"
    responseTemplates:
      application/json: '{"code": "INVALID_REQUEST",
"message": "$context.error.message" }'
  BAD_REQUEST_PARAMETERS:
    statusCode: 400
    responseParameters:
      gatewayresponse.header.Access-Control-Allow-Origin: '*'
      gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
      gatewayresponse.header.Strict-Transport-Security: "max-age=31536000; includeSubdomains; preload"
    responseTemplates:
      application/json: '{"code": "INVALID_INPUT",
"message": "$context.error.validationErrorString"}'
  BAD_REQUEST_BODY:
    statusCode: 400
    responseParameters:
      gatewayresponse.header.Access-Control-Allow-Origin: '*'
      gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
      gatewayresponse.header.Strict-Transport-Security: "max-age=31536000; includeSubdomains; preload"
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responseTemplates:
  application/json: '{"code": "INVALID_INPUT",
"message": "$context.error.validationErrorString}'
UNAUTHORIZED:
  statusCode: 401
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: ' '* ' '
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
    gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
  responseTemplates:
    application/json: '{"code": "UNAUTHORIZED",
"message": "$context.error.message}'
ACCESS_DENIED:
  statusCode: 403
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: ' '* ' '
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
    gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
  responseTemplates:
    application/json: '{"code": "ACCESS_DENIED",
"message": "$context.error.message}'
EXPIRED_TOKEN:
  statusCode: 403
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: ' '* ' '
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
    gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
  responseTemplates:
    application/json: '{"code": "EXPIRED_TOKEN",
"message": "$context.error.message}'
MISSING_AUTHENTICATION_TOKEN:
  statusCode: 403
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: ' '* ' '

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gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
responseTemplates:
  application/json: '{"code":
"MISSING_AUTHENTICATION_TOKEN", "message":
"$context.error.message"}'
REQUEST_TOO_LARGE:
  statusCode: 413
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: "'*'"
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
responseTemplates:
  application/json: '{"code": "REQUEST_TOO_LARGE",
"message": "Request payload exceeds max size for APIGW"}'
UNSUPPORTED_MEDIA_TYPE:
  statusCode: 415
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: "'*'"
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
responseTemplates:
  application/json: '{"code":
"UNSUPPORTED_MEDIA_TYPE", "message":
"$context.error.message"}'
THROTTLED:
  statusCode: 429
  responseParameters:
    gatewayresponse.header.Access-Control-Allow-Origin: "'*'"
    gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
responseTemplates:
  application/json: '{"code": "TOO_MANY_REQUESTS",
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"message": "$context.error.message}"
  DEFAULT_5XX:
    responseParameters:
      gatewayresponse.header.Access-Control-Allow-Origin: '!*!'
      gatewayresponse.header.X-Correlation-Id:
method.request.header.X-Correlation-Id
      gatewayresponse.header.Strict-Transport-Security: "'max-age=31536000; includeSubdomains; preload'"
    responseTemplates:
      application/json: '{"code":
"INTERNAL_SERVER_ERROR", "message":
"$context.error.message}"'
```

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