

# API Documentation

The test server ip-address:port is <https://dashboard-test.diaper-project.com:5000>

The production server ip-address:port is <https://dashboard-prod.diaper-project.com:5000>

The production server AWS Chalice:port is <https://4wuiajclt6.execute-api.us-east-1.amazonaws.com/api/> (No Longer in Use)

URL	<b>/api/login/</b>
Description	Login a user, and set cookie for authentication
Method	POST
Url Param	
Request Body Data	<ol style="list-style-type: none"><li>1. HTML Form Submission with fields:<ol style="list-style-type: none"><li>a. email (string)</li><li>b. password (string)</li><li>c. remember_me (optional boolean)</li></ol></li><li>2. <b>Alternatively</b>, you can manually add following fields in request body as a json format:<ol style="list-style-type: none"><li>a. email (string)</li><li>b. password (string)</li><li>c. remember_me (optional boolean)</li><li>d. formdata (empty string)</li></ol></li></ol>
Response	<ul style="list-style-type: none"><li>• {message: "Logged in."} - 200</li><li>• {message: "Bad request format"} - 400</li><li>• {message: "invalid credential(s) provided, please check your credential(s) and try again"} - 400/401</li></ul>
Cookie	<ul style="list-style-type: none"><li>• session: a cookie for trace login status</li><li>• remember_token: a cookie for remember_me feature (only when logged in with remember_me set to <b>true</b>)</li></ul>

URL	<b>/api/users/&lt;email&gt;/request-password-reset/</b>
Description	Request an email with a link and access token to reset password
Method	POST
Url Param	email
Request Body Data	
Response	<ul style="list-style-type: none"><li>• {message: "Password reset email has been sent."} - 200</li><li>• {message: "There was a problem sending the password reset email. Please try again later"} - 500</li></ul>
Cookie	

URL	<b>/api/users/&lt;email&gt;/resetpassword/</b>
Description	Request an email with a link and access token to reset password
Method	POST
Url Param	email
Request Body Data	A json format data { "password": "<string-password>" }

Response	<ul style="list-style-type: none"> <li>• {message: "Successfully updated password."} - 200</li> <li>• {message: "Unauthorized: you do not have access to reset this user's password"} - 401</li> </ul>
Cookie	

URL	<b>/api/registration/</b>
Description	Register a new user.
Method	POST
Url Param	
Request Body Data	<ol style="list-style-type: none"> <li>1. HTML Form Submission with fields: <ol style="list-style-type: none"> <li>a. email (string)</li> <li>b. password (string)</li> <li>c. confirm_password (string)</li> <li>d. user_type (string)</li> </ol> </li> <li>2. <b>Alternatively</b>, you can manually add following fields in request body as a json format: <ol style="list-style-type: none"> <li>a. email (string)</li> <li>b. password (string)</li> <li>c. confirm_password (string)</li> <li>d. user_type (string)</li> <li>e. formdata (!<b>EMPTY!</b> string)</li> </ol> </li> </ol>
Response	<ul style="list-style-type: none"> <li>• {message: "Registered, please login."} - 200</li> <li>• {message: "Data input is not valid, please try again"} - 400</li> </ul>
Cookie	

URL	<b>/api/logout/</b>
Description	Logout a user, set cookie/disable the token saved in cookie
Method	POST
Url Param	
Request Body Data	
Response	<ul style="list-style-type: none"> <li>• {message: "logged out"} - 200</li> </ul>
Cookie	<ul style="list-style-type: none"> <li>• session: will be removed</li> <li>• remember_token: will be removed</li> </ul>

URL	<b>/api/samples/</b>
Description	Add sample data to mongoDB
Method	POST
Url Param	
Request Body Data	A json format data <pre>{   "sample": {     "description": "test",     "image_url": "url",     "uploader": "uploader",     "sample_id": "0000",     "sample_type": "BS",     "infant_id": "00"   } }</pre>

Response	<ul style="list-style-type: none"> <li>• {message: "Sample data recorded!"} - 200</li> <li>• {message: "Bad request"} - 400</li> <li>• {message: "invalid credential(s) provided, please check your credential(s) and try again"} - 400/401</li> </ul>
----------	--

URL	<b>/api/mobile-samples/</b>
Description	Get user's sample data from mobile database
Method	GET
Url Param	
Response	<ul style="list-style-type: none"> <li>• {message: "Internal Error, please try again"} - 500</li> </ul>

URL	<b>/api/mobile-samples/image/&lt;barcode_id&gt;</b>
Description	Get sample image to mongoDB
Method	GET
Url Param	barcode_id
Request Body Data	
Response	<ul style="list-style-type: none"> <li>◦ {message: "Bad barcode id"} -400</li> <li>◦ {message: "Bad Request"} - 400</li> <li>◦ {message: "No image data found for barcode {barcode_id}"} - 404</li> <li>◦ {message: "No sample found for barcode {barcode_id}"} - 404</li> <li>◦ image - 200</li> </ul>

URL	<b>/api/samples/image/&lt;barcode_id&gt;</b>
Description	Add sample image to mongoDB
Method	POST
Url Param	barcode_id
Request Body Data	<pre>files: {   image: image }</pre>
Response	<ul style="list-style-type: none"> <li>◦ {message: "Bad barcode id"} -400</li> <li>◦ {message: "Bad Request"} - 400</li> <li>◦ {message: "No sample found for barcode {barcode_id}"} - 404</li> <li>◦ {message: "No image uploaded, bad request"} - 400</li> <li>◦ {message: "image saved"} - 200</li> </ul>

URL	<b>/api/samples/surey/&lt;barcode_id&gt;</b>
Description	Get sample image to mongoDB
Method	GET
Url Param	barcode_id
Request Body Data	<pre>{   data: survey }</pre>

Response	<ul style="list-style-type: none"> <li>• {message: "Bad barcode id"} -400</li> <li>• {message: "Bad Request"} - 400</li> <li>• {message: "No sample found for barcode {barcode_id}"} - 404</li> <li>• {message: "No survey found in request body"} - 400</li> <li>• {message: "survey saved"} - 200</li> </ul>
----------	--

URL	<b>/api/samples/surey/&lt;barcode_id&gt;</b>
Description	Add sample image to mongoDB
Method	POST
Url Param	barcode_id
Request Body Data	
Response	<ul style="list-style-type: none"> <li>• {message: "Bad barcode id"} -400</li> <li>• {message: "Bad Request"} - 400</li> <li>• {message: "No sample found for barcode {barcode_id}"} - 404</li> <li>• {message: "No survey found for barcode {barcode_id}"} - 404</li> <li>• survey_data - 200</li> </ul>

URL	<b>/api/infant/</b>
Description	Add infant to db
Method	POST
Url Param	
Request Body Data	HTML Form Submission with fields: <ol style="list-style-type: none"> <li>1. description (string)</li> <li>2. infant_id (string)</li> <li>3. name (string)</li> </ol>
Response	<ul style="list-style-type: none"> <li>• {message: "Infant created"} -200</li> <li>• {message: "Internal Error, please try again"} - 500</li> <li>• {message: "Data input is not valid, please try again"} - 400</li> </ul>

URL	<b>/api/infant/&lt;id&gt;</b>
Description	Get infant by id
Method	GET
Url Param	infant_id
Request Body Data	
Response	<ul style="list-style-type: none"> <li>• {message: "Infant does not exist"} -404</li> <li>• {             'infant_id': infant.infant_id,              'name': <b>infant.name</b>,              'create_time': infant.create_time,              'description': infant.description            }, 200</li> </ul>

URL	<b>/api/getSurvey/&lt;surveyId&gt;</b>
-----	--

Description	<p>Get Survey CSV data by surveyId</p> <p>surveyId= SV_8ILsEKzfiTLFmAK retrieves "Infant Nutrition After Birth Survey.csv"</p> <p>surveyId=SV_2hGHXngHMfslyF retrieves "Infant Nutrition Onboarding.csv"</p>
Method	GET
Url Param	surveyId
Request Body Data	
Response	<ul style="list-style-type: none"> <li>• {statusCode: 200, data: {"csv data..."}}, 200</li> </ul>

URL	<b>/api/sendOnboardingSurvey</b>
Description	Post to this endpoint with <email> and (optional) <name> to send onboarding email to email, will send a notification email to researchers at the same time.
Method	POST
Url Param	
Request Body Data	<p>form-data</p> <ol style="list-style-type: none"> <li>1. email (string)</li> <li>2. name (string)</li> </ol>
Response	<ul style="list-style-type: none"> <li>• {message: {"Email sent"}}, 200</li> </ul>

URL	<b>/api/upload/</b>
Description	<p>GET: Fetching all uploaded species reads</p> <p>PUT: Upload a species read</p>
Header	API_KEY
Method	PUT   GET
Url Param	--
Request Body Data	<p>GET</p> <p>---</p> <p>PUT</p> <pre>{   "email":"XXXXXX",   "barcode_id":"XXXXX",   "sample_id":"XXXX",   "sample_species_read": {     "Actinotignum_timeonense": "XX",     "Aeriscardovia_aeriphila": "X",     ...   } }</pre>

"Response"	<p>PUT</p> <ul style="list-style-type: none"> <li>{ message: "file uploaded" } - 200: Success</li> </ul> <p>GET</p> <pre>{   "read_list": [     {       "_id": "XXXX",       "date_time": "XXXXXXXX",       "email": "diapertestemail@gmail.com",       "sample_id": "XXX",       "sample_species_read": {         "Actinotignum_timeonense": "XX",         "Aeriscardovia_aeriphila": "XX",         ...       }     },     ...   ],   "nums": XX }</pre> <p>200: Success</p>
------------	---

URL	<b>/api/stool-color/</b>
Description	GET: Fetching all barcodes with their associated color
Method	GET
Request Body Data	
Response	<pre>{   "colors": [     {       "barcode_id": "XXXXX",       "color": "XXXXX"     },     {       "barcode_id": "XXX",       "color": "XXX"     },     ...   ] }, 200</pre>

URL	<b>/api/stool-barcodes/</b>
Description	GET: Fetch all valid barcodes in MongoDB
Method	GET
Request Body Data	
Response	<pre>{   "barcode_id": [     "XXX1",     "XXX2",     "XXX3",     ...   ] }, 200</pre>

URL	<b>/api/stool-picture/&lt;barcode_id&gt;</b>
Description	<p>GET: Fetch an image for the given barcode_id</p> <p>Valid barcode_ids can be fetched using <b>/api/stool-barcodes/</b></p>

Method	GET
Url Param	barcode_id
Response	<pre>if &lt;barcode_id&gt; is valid:     image of its output color as .png image , Status 200 if &lt;barcode_id&gt; is not valid:     { "message": "barcode: barcode_id not found" },     Status 404</pre>