



Add new sample to an existing collection				
	Flowchart	Endpoint	Methods	Rule
Client-side	<pre> graph TD Start((start)) --> PostReq(make POST request {collection_id, donor_count, material_type}) PostReq --> RetResp(Return appropriate response) RetResp --> End((End)) </pre>	add_sample1 OR add_sample2	POST	/sample/add/<collection_id> OR /sample/add
Server-side	<pre> graph TD ValidReq(Validate fields: {collection_id, donor_count, material_type}) --> IsValid{Is valid?} IsValid -- no --> RetResp(Return appropriate response) IsValid -- yes --> PostDB(Post data to database {collection_id, donor_count, material_type, date}) PostDB --> RetResp RetResp --> End((End)) </pre>	samplescrud	POST	/api/v1/sample/<collection_id>
Database				SamplesDB

Display list of all sample				
	Flowchart	Endpoint	Methods	Rule
Client-side	<pre> graph TD Start((start)) --> GetReq(make GET request to endpoint: allsamples) GetReq --> RetResp(Return appropriate response) RetResp --> End((End)) </pre>	show_all_samples	GET	/sample
Server-side	<pre> graph TD FetchDB(Fetch data from database [{collection_id, donor_count, material_type, date}]) --> RetResp(Return appropriate response) RetResp --> End((End)) </pre>	allsamples	GET	/api/v1/sample/all
Database				SamplesDB

Display samples of an existing collection				
	Flowchart	Endpoint	Methods	Rule
Client-side	<pre> graph TD Start((start)) --> Request[make GET request to endpoint: samplescrud] Request --> Response[Return appropriate response] Response --> End(((End))) </pre>	view_samples	GET	/sample/<collection_id>
Server-side	<pre> graph TD Fetch[Fetch data from database [{collection_id, donor_count, material_type, date}]] --> Response[Return appropriate response] </pre>	samplescrud	GET	/api/v1/sample/<collection_id>
Database				SamplesDB

Validate collection_id				
	Flowchart	Endpoint	Methods	Rule
Client-side	<pre> graph TD Start((start)) --> Request[make GET request to endpoint: validatecollectionid] Request --> Response[Return appropriate response] Response --> End(((End))) </pre>	add_sample1 OR view_samples	GET	/sample/add/<collection_id> /sample/<collection_id>
Server-side	<pre> graph TD Fetch[Fetch data from database {collection_id, disease_term, title}] --> Response[Return appropriate response] </pre>	validatecollectionid	GET	/api/v1/collection/<collection_id>
Database				CollectionsDB