Rest Full APIs specification of Online Store Creation.

Technical Specification:

Developed APIs with below Software and Recommended softwares to run APIs.

Software Packages	Version	Comment
Node.js	v4.2.2 LTS	
MongoDB	v3.0.7	
Ubuntu	14.04 LTS	Works in non linux platform

File/Directory Structure:

/wingify-assignment
- Root directory
  /node_modules
  - Packages and their dependencies for project.
  /docs
  Problem_Definition.txt
  - Project definition in detail.
  Store_REST_v1.pdf
  - Project documentation like technical requirement, APIs' infomation, notes, etc for Project
  server.js
  - Main logic about projects. Server creation, APIs definition, other supportive functions.
  dbConfig.js
  - Database configuration like connection, default user creation, etc.
  utils.js
  - Common functions.
  constants.json
  - Common confuguration keys/values for database/server name, port, etc.
  package.json
  - Poject version, name, packages dependencies, etc. This file is useful for auto setup.

Project Setup Steps

1) Go into root directory after unzip project
cd wingify-assignment
2) Run command to install packages and their dependecies
npm install
3) Start server
node app.js

Notes:

1) All the request/response format is JSON.
2) Response format is {status: xxx, message: 'xyz', result: {}}

Key	Decription	Comment
status	HTTP Code	
message	Short message with Success or Sorry prefix	
result	Object with other objects like data (array), total, limit, skip, etc.	

3) Default 3 users are going to create during setup of application. You must login with **/login** before accesing any APIs.

User	Password
user1@mailcatch.com	user1
user1@mailcatch.com	user2
user1@mailcatch.com	user3

4) Check constants.json for database connection or server parameters like url, port, name, etc.

APIs

Name	Full URL	Http method	Request	Response	Description	Comment

/login	http://127.0.0.1:8001/login	POST	{
			   "email": "user1@mailcatch.com",
			
			"password": "user1"
			}
				{
				  "status": 200,
				  "message": "Success, Login",
				  "result": {
				    "data": [
				      {
				        "_id": "56521c95a455a97f22147cb4",
				
				"email": "user1@mailcatch.com",
				
				"password": "$2a$10$3IOdKTClI9.nq4sBMhyal..r60X/SCyS
					To login to access products of application.	

				HNqXxDRa
				PInABco0eq
				Gmi"
				    }
				  ],
				  "total": 1
				  }
				}		

/
store/product
s
	POST	http://127.0.
		0.1:8001/sto
		re/products
			{
			    "name":
			"product1",
			    "code":
			"p1",
			    "price":
			123
			}
				{
				    "status":
				200,
				
				"message":
				"Success,
				Inserted.",
				    "result":
				{}
				}
					To create
					new product.
						name, code
						and price
						parameters
						are
						mandatory.

/
store/product
	GET	http://127.0.
		0.1:8001/sto
		re/products
				{
				  "status":
				200,
				  "message":
				"Success,
				List",
				  "result": {
				    "items": [
				      {
				      "_id":
				"565231458
				d7a830c29e
				18376",
				      "name":
				"product1",
				      "code":
				"p1",
				      "price":
				123,
				
				"author":
				"user1@mail
				catch.com"
				      }
				    ],
				
				"startFrom":
				0,
				    "limit": 5,
				    "total": 1
				    }
				}
					To list
					products.	

/	GET	http://127.0.		{	To get	:id is id of

store/products/:id		0.1:8001/store/products/565231458d7a830c29e18376		"status": 200,
				  "message": "Found",
				  "result": {
				    "data": {
				    "_id": "565231458d7a830c29e18376",
				      "name": "product1",
				      "code": "p1",
				      "price": 123,
				      "author": "user1@mailcatch.com"
				    },
				    "total": 1
				  }
				}
					specific product.	product.

/store/products/:id	PUT/POST	http://127.0.0.1:8001/store/products/565231458d7a830c29e18376	{
			  "name": "product1",
			  "code": "p1",
			  "price": 12345
			}
				{
				  "status": 200,
				
				"message": "Success, Updated",
				  "result": {}
					To update given product.	:id is id of product.

/store/products/:id	DELETE	http://127.0.0.1:8001/store/products/565231458d7a830c29e18376		{
				  "status": 200,
				
				"message": "Success, Deleted",
				  "result": {}
					To delete given product.	:id is id of product.

/logout	POST	http://127.0.0.1:8001/logout		{
				  "status": 200,
				  "message": "Success, Logout",
				  "result": {}
					To logout from applicarion.	