Robust Software Systems Final Project Spring 2013

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API Documentation

This API is a JSON api accepts therefore only JSON request. A JSON request is executed by adding `application/json` to the header `Content-Type`.

The host of this API is `robust02241.herokuapp.com`.

Routes

Public

The following routes are public and therefore accessible by anyone

Action	HTTP method	URL	Require params	Optional params
See a list of products	GET	/products		
See details of a product	GET	/products/:id		
Register as customer	POST	/customers	email, password	address, name

Customer authentication

The following route is for authenticating a customer. This action creates a session for the given customer and returns a session key, which should be used for the actions that requires token autorization.

This action requires [Basic authentication](#)

Action	HTTP method	URL	Require params	Optional params
Create a customer session	POST	/customer/authentications		

Customer specific actions

These actions are specific for a given customer and can only be executed by the authorized customer.

This action requires [Token authentication](#). The token is the access token from [authentication](#).

Action	HTTP method	URL	Required params	Optional params
See a list of orders	GET	/orders		
Create an order	POST	/orders/:id	product_ids, paymentinfo	date
Get details of an order	GET	/orders/:id		
Delete an order	DELETE	/orders/:id		

Administrator authentication

The following route is for authenticating a administrator. This action creates a session for the given administrator and returns a session key, which should be used for the actions that requires token autorization.

This action requires [Basic authentication](#)

Action	HTTP method	URL	Require params	Optional params
Create a admin session	POST	/admin/authentications		

Administrator specific actions

These actions are specific for a given administrator and can only be executed by the authorized administrator.

This action requires Token authentication. The token is the access token from authentication.

Action	HTTP method	URL	Required params	Optional params
See a list of customers	GET	/admin/customers		
Create a customer	POST	/admin/customers/:id	email, password	address, name
Edit a customer	POST	/admin/customers/:id	email, password	address, name
Get details of a customer	GET	/admin/customers/:id		
Delete a customer	DELETE	/admin/customers/:id		
See a list of products	GET	/admin/products		
Create a product	POST	/admin/products/:id	name, price	name, price
Edit a product	POST	/admin/products/:id	name, price	name, price

Get details of a product	GET	/admin/products/:id		
Delete a product	DELETE	/admin/products/:id		
See a list of administrators	GET	/admin/administrators		
Create a administrator	POST	/admin/administrators/:id	email, password	address, name
Edit a administrator	POST	/admin/administrators/:id	email, password	address, name
Get details of a administrator	GET	/admin/administrators/:id		
Delete a administrator	DELETE	/admin/administrators/:id		

Basic Authentication

Basic authentication is used by encoding the string `email:password` (where email is your email and password is your password) with **Base64**. This value is the inserted in the header `Authorization` as follows:

`Authorization: Basic encodedvalue`

Token Authentication

Token authentication is used by inserting the token in the `Authorization` header as follows:

`Authorization: Token token="myaccesstoken"`