

ShipME API

Overview

Provides methods for the retrieval, creation, manipulation, and deletion of ShipME application data

Tags

Users

Endpoints related to User management

Instructors

Endpoints related to Instructor management

TAs

Endpoints related to TA management

Students

Endpoints related to Student management

Teams

Endpoints related to Team management

Suppliers

Endpoints related to Supplier management

Parts

Endpoints related to Part management

Requests

Endpoints related to Requests for Parts placed by Students

Orders

Endpoints related to Orders with Suppliers placed by Instructors

Notifications

Endpoints related to Notifications on changed Requests

Read_Notifications

Endpoints related to Read_Notifications for Notifications

Clear_Data

Endpoints related to clearing data from the application

Paths

GET /users Retrieve all Users

Retrieves a list of all Users, optionally filtered by a User's type or a Student's Team's unique ID

Parameters

Type	Name	Description	Schema
query	section_id <i>optional</i>	A Student's section_id	integer
query	team_id <i>optional</i>	A Student's Team's team_id	integer
query	type <i>optional</i>	A User type	enum (instructor,student,ta)

Responses

Code	Description	Links
200	A list of Users <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /users Create a User

Creates a new User

Responses

Code	Description	Links
201	User created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /users/{user_id} Retrieve a User

Retrieves a User by its **user_id**

Parameters

Type	Name	Description	Schema
path	user_id <i>required</i>	The user_id of the User to work with	integer

Responses

Code	Description	Links
200	The User corresponding to the provided user_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /users/{user_id} Delete a User**

Deletes a User

Parameters

Type	Name	Description	Schema
path	user_id <i>required</i>	The user_id of the User to work with	integer

Responses

Code	Description	Links
204	User deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links

Code	Description	Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH **/users/{user_id}** Update a User's information

Allows updating of a User's properties

Parameters

Type	Name	Description	Schema
path	user_id <i>required</i>	The user_id of the User to work with	integer

Responses

Code	Description	Links
200	User updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /instructors Retrieve all Instructors

Retrieves a list of all Instructors

Responses

Code	Description	Links
200	A list of Instructors <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /instructors/{instructor_id} Retrieve an Instructor's corresponding User object

Retrieves an Instructor's corresponding User object by its **instructor_id**

Parameters

Type	Name	Description	Schema
path	instructor_id <i>required</i>	The instructor_id of the Instructor to work with	integer

Responses

Code	Description	Links
200	The User corresponding to the provided instructor_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /instructors/{instructor_id} Delete an Instructor**

Deletes an Instructor

Parameters

Type	Name	Description	Schema
path	instructor_id <i>required</i>	The instructor_id of the Instructor to work with	integer

Responses

Code	Description	Links
204	Instructor deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH /instructors/{instructor_id} Update an Instructor's information

Allows updating of a Instructor's properties

Parameters

Type	Name	Description	Schema
path	instructor_id <i>required</i>	The instructor_id of the Instructor to work with	integer

Responses

Code	Description	Links
200	User updated successfully <i>Content</i> application/json	No Links

Code	Description	Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /students Retrieve all Students

Retrieves a list of all Students

Parameters

Type	Name	Description	Schema
query	section_id <i>optional</i>	A Student's section_id	integer
query	team_id <i>optional</i>	A Student's Team's team_id	integer

Responses

Code	Description	Links
200	A list of Students <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***GET* /students/{student_id} Retrieve a Student's corresponding User object**

Retrieves a Student's corresponding User object by its **student_id**

Parameters

Type	Name	Description	Schema
path	student_id <i>required</i>	The student_id of the Student to work with	integer

Responses

Code	Description	Links
200	The User corresponding to the provided student_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links

Code	Description	Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE /students/{student_id} Delete a Student

Deletes a Student

Parameters

Type	Name	Description	Schema
path	student_id <i>required</i>	The student_id of the Student to work with	integer

Responses

Code	Description	Links
204	Student deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH /students/{student_id} Update a Student's information

Allows updating of a Student's properties

Parameters

Type	Name	Description	Schema
path	student_id <i>required</i>	The student_id of the Student to work with	integer

Responses

Code	Description	Links
200	User updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /tas Retrieve all TAs

Retrieves a list of all TAs

Responses

Code	Description	Links
200	A list of TAs <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /tas/{ta_id} Retrieve a TA's corresponding User object

Retrieves a TA's corresponding User object by its **ta_id**

Parameters

Type	Name	Description	Schema
path	ta_id <i>required</i>	The ta_id of the TA to work with	integer

Responses

Code	Description	Links
200	The User corresponding to the provided ta_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE /tas/{ta_id} Delete a TA

Deletes a TA

Parameters

Type	Name	Description	Schema
path	ta_id <i>required</i>	The ta_id of the TA to work with	integer

Responses

Code	Description	Links
204	TA deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links

Code	Description	Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /teams Retrieve all Teams

Retrieves a list of all Teams, optionally filtered by a Team's **section_id**

Parameters

Type	Name	Description	Schema
query	section_id <i>optional</i>	The section ID/# the Team belongs to	integer

Responses

Code	Description	Links
200	A list of Teams <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /teams Create a Team

Creates a new Team

Responses

Code	Description	Links
201	Team created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /teams/{team_id} Retrieve a Team

Retrieves a Team by its **team_id**

Parameters

Type	Name	Description	Schema
path	team_id <i>required</i>	The team_id of the Team to work with	integer

Responses

Code	Description	Links
200	The Team corresponding to the provided team_id <i>Content</i> application/json	No Links

Code	Description	Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE /teams/{team_id} Delete a Team

Deletes a Team

Parameters

Type	Name	Description	Schema
path	team_id <i>required</i>	The team_id of the Team to work with	integer

Responses

Code	Description	Links
204	Team deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***PATCH* /teams/{team_id} Update a Team's information**

Allows updating of a Team's properties

Parameters

Type	Name	Description	Schema
path	team_id <i>required</i>	The team_id of the Team to work with	integer

Responses

Code	Description	Links
200	Team updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links

Code	Description	Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /suppliers Retrieve all Suppliers

Retrieves a list of all Suppliers, optionally filtered by a Supplier's **url**

Parameters

Type	Name	Description	Schema
query	url <i>optional</i>	The Supplier's top level domain (i.e., http://amazon.com)	string

Responses

Code	Description	Links
200	A list of Suppliers <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /suppliers Create a Supplier

Creates a new Supplier

Responses

Code	Description	Links
201	Supplier created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /suppliers/{suppliers_id} Retrieve a Supplier

Retrieves a Supplier by its **supplier_id**

Parameters

Type	Name	Description	Schema
path	suppliers_id <i>required</i>	The supplier_id of the Supplier to work with	integer

Responses

Code	Description	Links
200	The Supplier corresponding to the provided supplier_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /suppliers/{suppliers_id} Delete a Supplier**

Deletes a Supplier

Parameters

Type	Name	Description	Schema
path	suppliers_id <i>required</i>	The supplier_id of the Supplier to work with	integer

Responses

Code	Description	Links
204	Supplier deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links

Code	Description	Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH /suppliers/{suppliers_id} Update a Supplier's information

Allows updating of a Supplier's properties

Parameters

Type	Name	Description	Schema
path	suppliers_id <i>required</i>	The supplier_id of the Supplier to work with	integer

Responses

Code	Description	Links
200	Supplier updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /parts Retrieve all Parts

Retrieves a list of all Parts, optionally filtered by a Supplier's unique ID or a Part's **url**

Parameters

Type	Name	Description	Schema
query	supplier_id <i>optional</i>	The supplier_id of the Part's Supplier	integer
query	url <i>optional</i>	The Part's web link (i.e., <code>http://amazon.com/&#8230;&#8203</code>)	string

Responses

Code	Description	Links
200	A list of Parts <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /parts Create a Part

Creates a new Part

Responses

Code	Description	Links
201	Part created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links

Code	Description	Links
500	Unexpected error <i>Content</i> application/json	No Links

GET **/parts/{part_id}** Retrieve a Part

Retrieves a Part by its **part_id**

Parameters

Type	Name	Description	Schema
path	part_id <i>required</i>	The part_id of the Part to work with	integer

Responses

Code	Description	Links
200	The Part corresponding to the provided part_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE **/parts/{part_id}** Delete a Part

Deletes a Part

Parameters

Type	Name	Description	Schema
path	part_id <i>required</i>	The part_id of the Part to work with	integer

Responses

Code	Description	Links
204	Part deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH **/parts/{part_id}** Update a Part's information

Allows updating of a Part's properties

Parameters

Type	Name	Description	Schema
path	part_id <i>required</i>	The part_id of the Part to work with	integer

Responses

Code	Description	Links
200	Part updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /requests Retrieve all Requests

Retrieves a list of all Requests, optionally filtered by a Student's, Team's, Supplier's, Part's, and/or Order's unique IDs

Parameters

Type	Name	Description	Schema
query	student_id <i>optional</i>	The student_id of the Student making the Request	integer
query	team_id <i>optional</i>	The team_id of the Team making the Request	integer
query	part_id <i>optional</i>	The part_id of the requested Part	integer
query	supplier_id <i>optional</i>	The supplier_id of the Supplier associated with the Request	integer
query	order_id <i>optional</i>	The order_id of the Order associated with the Request	integer

Type	Name	Description	Schema
query	status <i>optional</i>	The Request's status	enum (requested,approved,ordered,delivered,delayed,reordered,on hand,cancelled,other)

Responses

Code	Description	Links
200	A list of Requests <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /requests Create a Request

Creates a new Request

Responses

Code	Description	Links
201	Request created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /requests/{request_id} Retrieve a request

Retrieves a Request by its **request_id**

Parameters

Type	Name	Description	Schema
path	request_id <i>required</i>	The request_id of the Request to work with	integer

Responses

Code	Description	Links
200	The Request corresponding to the provided request_id <i>Content</i> application/json	No Links

Code	Description	Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE **/requests/{request_id}** Delete a Request

Deletes a Request

Parameters

Type	Name	Description	Schema
path	request_id <i>required</i>	The request_id of the Request to work with	integer

Responses

Code	Description	Links
204	Request deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links

Code	Description	Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

PATCH /requests/{request_id} Update a Request's information

Allows updating of a Request's properties

Parameters

Type	Name	Description	Schema
path	request_id <i>required</i>	The request_id of the Request to work with	integer

Responses

Code	Description	Links
200	Request updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links

Code	Description	Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /orders Retrieve all Orders

Retrieves a list of all Orders, optionally filtered by a User's and/or Supplier's unique IDs

Parameters

Type	Name	Description	Schema
query	instructor_id <i>optional</i>	The instructor_id of the Instructor who placed the Order	integer
query	supplier_id <i>optional</i>	The supplier_id of the Supplier associated with the Order	integer

Responses

Code	Description	Links
200	A list of Orders <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links

Code	Description	Links
500	Unexpected error <i>Content</i> application/json	No Links

***POST* /orders Create an Order**

Creates a new Order

Responses

Code	Description	Links
201	Order created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***GET* /orders/{order_id} Retrieve an order**

Retrieves an Order by its **order_id**

Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>	The order_id of the Order to work with	integer

Responses

Code	Description	Links
200	The Order corresponding to the provided order_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

DELETE **/orders/{order_id}** Delete an Order

Deletes an Order

Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>	The order_id of the Order to work with	integer

Responses

Code	Description	Links
204	Order deleted successfully	No Links

Code	Description	Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***PATCH* /orders/{order_id} Update an Order's information**

Allows updating of an Order's properties

Parameters

Type	Name	Description	Schema
path	order_id <i>required</i>	The order_id of the Order to work with	integer

Responses

Code	Description	Links
200	Order updated successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links

Code	Description	Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /notifications Retrieve all Notifications

Retrieves a list of all Notifications, optionally filtered by a Team's **team_id**

Parameters

Type	Name	Description	Schema
query	for_instruct or <i>optional</i>	Whether the notification is directed towards an Instructor	boolean
query	team_id <i>optional</i>	The team_id associated with a Notification	integer

Responses

Code	Description	Links
200	A list of Notifications <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links

Code	Description	Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /notifications Create a Notification

Creates a new Notification

Responses

Code	Description	Links
201	Notification created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links

Code	Description	Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***GET* /notifications/{notification_id} Retrieve a Notification by ID**

Retrieves a Notification by its **notification_id**

Parameters

Type	Name	Description	Schema
path	notification_id <i>required</i>	The notification_id of the Notification to retrieve or manipulate	integer

Responses

Code	Description	Links
200	The Notification corresponding to the provided notification_id <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links

Code	Description	Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /notifications/{notification_id} Delete a Notification**

Deletes a Notification

Parameters

Type	Name	Description	Schema
path	notification_id <i>required</i>	The notification_id of the Notification to retrieve or manipulate	integer

Responses

Code	Description	Links
204	Notification deleted successfully	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

GET /read_notifications Retrieve all Read Notifications

Retrieves a list of all Read Notifications, optionally filtered by a User's `user_id`

Parameters

Type	Name	Description	Schema
query	user_id <i>optional</i>	The <code>user_id</code> associated with the Read Notification	integer

Responses

Code	Description	Links
200	A list of Read Notifications <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

POST /read_notifications Create a Read Notification

Creates a new Read Notification

Responses

Code	Description	Links
201	Read Notification created successfully <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***GET* /read_notifications/{read_notification_id}** Retrieve a Read Notification by ID

Retrieves a Read Notification by its `read_notification_id`

Parameters

Type	Name	Description	Schema
path	read_notific ation_id <i>required</i>	The <code>read_notification_id</code> of the Read Notification to retrieve or delete	integer

Responses

Code	Description	Links
200	The Read Notification corresponding to the provided <code>read_notification_id</code> <i>Content</i> application/json	No Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /read_notifications/{read_notification_id}**

Delete a Read Notification

Deletes a Read Notification

Parameters

Type	Name	Description	Schema
path	read_notific ation_id <i>required</i>	The <code>read_notification_id</code> of the Read Notification to retrieve or delete	integer

Responses

Code	Description	Links
204	Read Notification deleted successfully	No Links

Code	Description	Links
400	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
401	Authentication is required <i>Content</i> application/json	No Links
403	Access is denied <i>Content</i> application/json	No Links
404	Not found <i>Content</i> application/json	No Links
500	Unexpected error <i>Content</i> application/json	No Links

***DELETE* /clear_data Clear all data**

Clears all data from the application, except for instructors

Responses

Code	Description	Links
204	Data cleared successfully	No Links
500	Unexpected error <i>Content</i> application/json	No Links

Components

Schemas

User

An object representing a user of the ShipME application

Properties

Name	Description	Schema
user_id <i>required</i>	The User's unique ID (database primary key) <i>read only</i>	integer
first_name <i>required</i>	The User's first name	string
last_name <i>required</i>	The User's last name	string
email_address <i>required</i>	The User's email address (@clemson.edu)	string (email)
type <i>required</i>	The User's type	enum (instructor,ta,student)
receive_emails <i>optional</i>	The User's preference for receiving email notifications Default: on_custom	enum (always,on_deliveries,on_custom)
team_id <i>optional</i>	The User's Team team_id (where type is student)	integer
section_id <i>optional</i>	The User's section_id (where type is student)	integer
is_admin <i>optional</i>	Whether the User is the administrator user (where type is instructor) Default: false	enum (true,incoming,false)

Instructor

An object representing an instructor User

Properties

Name	Description	Schema
instructor_id <i>required</i>	The Instructor's unique ID (database primary key) <i>read only</i>	integer
user_id <i>required</i>	The user_id of the Instructor's associated User object	integer
is_admin <i>required</i>	Whether the User is the administrator user (where type is instructor) Default: false	enum (true,incoming,false)

TA

An object representing a TA User

Properties

Name	Description	Schema
ta_id <i>required</i>	The TA's unique ID (database primary key) <i>read only</i>	integer
user_id <i>required</i>	The user_id of the TA's associated User object	integer

Student

An object representing a student User

Properties

Name	Description	Schema
student_id <i>required</i>	The Student's unique ID (database primary key) <i>read only</i>	integer
user_id <i>required</i>	The user_id of the Student's associated User object	integer
team_id <i>optional</i>	The team_id of the Team the Student is a part of	integer
section_id <i>optional</i>	The section ID/# the Student belongs to	integer

Team

An object representing a team comprised of Students

Properties

Name	Description	Schema
team_id <i>required</i>	The Team's unique ID (database primary key) <i>read only</i>	integer
team_num <i>required</i>	The team's team number	integer
name <i>optional</i>	The Team's name	string
section_id <i>required</i>	The section ID/# the Team belongs to	integer

Name	Description	Schema
locker_num <i>optional</i>	The locker number assigned to the team	integer

Supplier

An object representing a supplier of Parts

Properties

Name	Description	Schema
supplier_id <i>required</i>	The Supplier's unique ID <i>read only</i>	integer
url <i>required</i>	The Supplier's top level domain (i.e., http://amazon.com)	string (uri)
name <i>required</i>	The Supplier's top level domain, without the protocol or extension (i.e., amazon)	string

Part

An object representing a part being requested by a Student

Properties

Name	Description	Schema
part_id <i>required</i>	The Part's unique ID (database primary key) <i>read only</i>	integer
url <i>required</i>	The Part's web link (i.e., <code>http://amazon.com/&#8230;&#8203</code>)</code>	string (uri)
part_num <i>optional</i>	The Part's number (if applicable)	string
supplier_id <i>required</i>	The supplier_id of the Part's Supplier	integer
description <i>required</i>	The Part's name/description	string
price <i>required</i>	The Part's price (in \$) <i>exclusive minimum</i> Minimum: 0	number

Request

An object representing a request for a Part by a Student

Properties

Name	Description	Schema
request_id <i>required</i>	The Request's unique ID (database primary key) <i>read only</i>	integer
request_timestamp <i>required</i>	The timestamp of the Request's creation <i>read only</i>	string (date-time)
student_id <i>required</i>	The student_id of the Student making the Request	integer
team_id <i>required</i>	The team_id of the Team making the Request	integer
supplier_id <i>optional</i>	The supplier_id of the Supplier associated with the Request	integer
part_id <i>required</i>	The part_id of the requested Part	integer
order_id <i>optional</i>	The order_id of the Order associated with the Request	integer
status <i>required</i>	The Request's status	enum (requested,approved,ordered,delivered,delayed,reordered,on hand,cancelled,other)
quantity <i>required</i>	The quantity of the requested Part <i>exclusive minimum</i> Minimum: 0	integer
subtotal <i>optional</i>	The Request subtotal (in \$) <i>exclusive minimum</i> Minimum: 0	number

Order

A representation of an order with a Supplier comprised of Parts

Properties

Name	Description	Schema
order_id <i>required</i>	The Order's unique ID (database primary key) <i>read only</i>	integer

Name	Description	Schema
order_timestamp <i>required</i>	The timestamp of the Order's creation <i>read only</i>	string (date-time)
instructor_id <i>required</i>	The instructor_id of the Instructor who created the Order	integer
supplier_id <i>required</i>	The supplier_id of the Supplier whom the Order is placed with	integer
is_fulfilled <i>required</i>	Whether the Order has been fulfilled by the Supplier	boolean
total <i>required</i>	The Order total (in \$) <i>exclusive minimum</i> Minimum: 0	number

Notification

A representation of a notification sent by an Instructor to a Student

Properties

Name	Description	Schema
notification_id <i>required</i>	The Notifications's unique ID (database primary key) <i>read only</i>	integer
notification_timestamp <i>required</i>	The timestamp of the Notification's creation <i>read only</i>	string (date-time)
request_id <i>optional</i>	The request_id of the Request the Notification is associated with	integer
team_id <i>required</i>	The team_id of the Team the Notification is sent from/to	integer
generated_message <i>required</i>	The Notification's system-generated message	string
free_text <i>optional</i>	The optional Instructor comment associated with the Notification	string
for_instructor <i>optional</i>	Whether the notification is directed towards an Instructor	boolean

Read_Notification

A representation of a read Notification

Properties

Name	Description	Schema
read_notification_id <i>required</i>	The Read Notification's unique ID (database primary key) <i>read only</i>	integer
notification_id <i>required</i>	The notification_id of the associated Notification	integer
user_id <i>required</i>	The user_id of the User marking the Notification as "read"	integer

Error

A generic error object

Properties

Name	Description	Schema
message <i>required</i>	A human readable error message	string
error <i>optional</i>	The error string from the database or other function	string

Responses

Responses

Code	Description	Links
BadRequest	Invalid request due to client error (e.g., missing params) <i>Content</i> application/json	No Links
Unauthorized	Authentication is required <i>Content</i> application/json	No Links
Forbidden	Access is denied <i>Content</i> application/json	No Links
NotFound	Not found <i>Content</i> application/json	No Links
ServerError	Unexpected error <i>Content</i> application/json	No Links