

# External Systems API

The WSEP external payment and supply systems are accessible by sending an HTTP POST request to the following web address:

<https://cs-bgu-wsep.herokuapp.com/>

In order to specify which service to request from these systems, the content of the post message must contain an *action type*. In addition, any parameter required by the desired action type should also appear in the content of the message.

The action types supported by the external systems are: *handshake*, *pay*, *cancel\_pay*, *supply*, *cancel\_supply*.

## **handshake:**

This action type is used for check the availability of the external systems.

**action\_type** = handshake

**Additional Parameters:** none

**Output:** "OK" message to signify that the handshake has been successful

## **pay:**

This action type is used for charging a payment for purchases.

**action\_type** = pay

**Additional Parameters:** card\_number, month, year, holder, ccv, id

**Output:** transaction id - an integer in the range [10000, 100000] which indicates a transaction number if the transaction succeeds or -1 if the transaction has failed.

### **cancel\_pay:**

This action type is used for cancelling a payment transaction.

**action\_type** = cancel\_pay

**Additional Parameters:** transaction\_id - the id of the transaction id of the transaction to be canceled.

**Output:** 1 if the cancelation has been successful or -1 if the cancelation has failed.

### **supply:**

This action type is used for dispatching a delivery to a costumer.

**action\_type** = supply

**Additional Parameters:** name , address, city, country, zip

**Output:** transaction id - an integer in the range [10000, 100000] which indicates a transaction number if the transaction succeeds or -1 if the transaction has failed.

### **cancel\_supply:**

This action type is used for cancelling a supply transaction.

**action\_type** = cancel\_supply

**Additional Parameters:** transaction\_id - the id of the transaction id of the transaction to be canceled.

**Output:** 1 if the cancelation has been successful or -1 if the cancelation has failed.

## **Usage Examples:**

An example for the content of respective POST request in a dictionary format for each of the supported actions:

## handshake:

```
var postContent = new Dictionary<string, string>
{
    { "action_type", "handshake" },
};
```

## pay:

```
var postContent = new Dictionary<string, string>
{
    { "action_type", "pay" },
    { "card_number", "2222333344445555" }
    { "month", "4" }
    { "year", "2021" }
    { "holder", "Israel Israelovice" }
    { "ccv", "262" }
    { "id", "20444444" }
};
```

## cancel\_pay:

```
var postContent = new Dictionary<string, string>
{
    { "action_type", "cancel_pay" },
    { "transaction_id", "20123" }
};
```

## supply:

```
var postContent = new Dictionary<string, string>
{
    { "action_type", "supply" },
    { "name", "Israel Israelovice" }
    { "address", "Rager Blvd 12" }
    { "city", "Beer Sheva" }
    { "country", "Israel" }
    { "zip", "8458527" }
};
```

## cancel\_supply:

```
var postContent = new Dictionary<string, string>
{
    { "action_type", "cancel_supply" },
    { "transaction_id", "30525" }
};
```