# Function Description

**Function Name:** getShipmentFromInput

**Parameter List:**

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| --- | --- | --- |
| Parameter Name | Type | Description |
| weight | int | Receive weight information from user input |
| size | double | Receive size information from user input |
| dest | const char[] | Receive destination information from user input |
| shipment | struct Shipment\* | Pointer of struct “Shipment” containing 3 member variables:   * int weight – The weight information from user input. * double size – The size information from user input. * char dest[MAX\_DEST\_LEN] – The coordination composed of number indicating row and letter indicating column. |

**Returns:** The return type is int, which acts as a Boolean indicating whether the user input of weight, size and destination is valid.

**Description:** This function receives the variables from user input including weight, size and destination. If all the inputs are valid, store the input to an object of struct “Shipment” and return 1 (true). Otherwise, prompt the corresponding error message and return 0 (false). The error message are as follows:

* For weight out of range 1-1000, prompt “Invalid weight (must be 1-1000 Kg.)”
* For size not in selection (0.25 / 0.5 / 1), prompt “Invalid size”
* For destination out of map (1 <= col <= 25, A <= row <= Y), prompt “Invalid destination”