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## HOMEWORK – 2

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Plant pre-allocation can be confirmed or rejected by the employee.

- Operations implied by the sequence diagram that should be mapped into REST interactions:
  - GET- Retrieves the pre-allocated PO.
  - PUT – Confirm and update plant pre-allocation PO.
  - DELETE – Reject, cancel and delete plant pre-allocation.
- State model associated with the resource purchase order. Submit a PDF file containing the new state model:

STATE MODEL GOES HERE

- REST API summarization:

HTTP Verb	URI template	Relation	Current State	New State	Comments
GET	/api/allocate/plants	findPO	Pending	Return preallocated POs	Query pending lists
PUT	/api/allocate/orders/{id}/confirm	acceptPO	Confirm preallocation	Pre-allocated	By minimum one plant available.
PUT	/api/allocate/orders/{id}/confirm	updatePO	Retrieve PO	Updating retrieved PO	With a new status
PUT	/api/allocate/orders/{id}/confirm	notifyPO	Updated PO (OPEN)	Notify success confirmation	Use (HTTP status 200)
DELETE	/api/allocate/orders/{id}/confirm	rejectPO	Reject preallocation	Retrieve PO	No available plant found
DELETE	/api/allocate/orders/{id}/confirm	cancelPO	Cancelling reservation	Deleting reservation	
PUT	/api/allocate/orders/{id}/confirm	updatePO	update PO	Update Rejected PO	
PUT	/api/allocate/orders/{id}/confirm	notifyPO	Updated PO	Notify successful deallocation	Use (HTTP status 200)