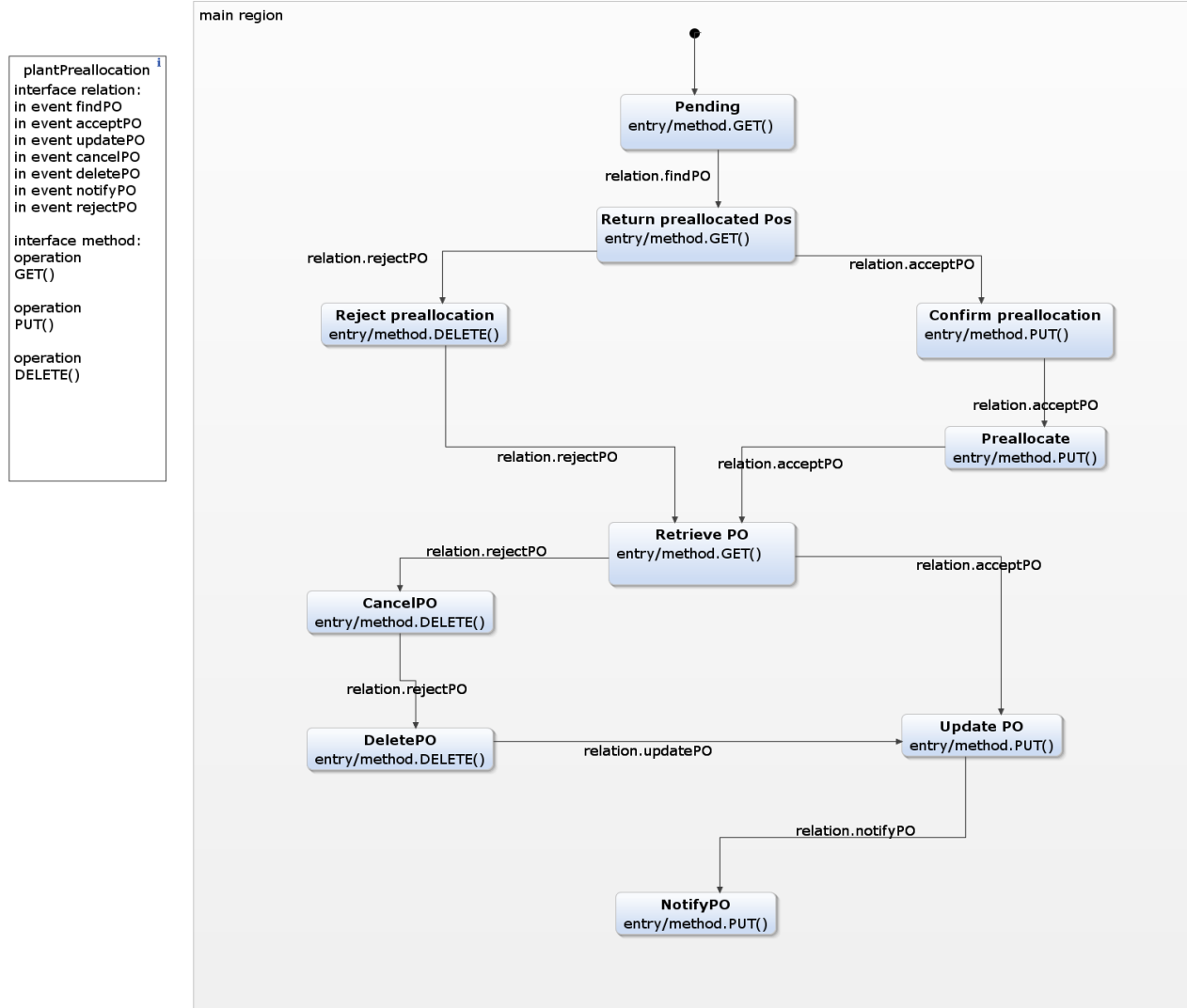


HOMEWORK – 2

Plant pre-allocation that 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:



3. 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-allocate	By minimum one plant available.
GET	/api/allocate/orders/{id}/confirm	acceptPO	Retrieve PO	Retrieve PO	With a new status
PUT	/api/allocate/orders/{id}/confirm	acceptPO	Updating retrieved PO	Updated PO (OPEN)	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	Rejected	No available plant found
GET	/api/allocate/orders/{id}/confirm	rejectPO	Rejected	Retrieve PO	
DELETE	/api/allocate/orders/{id}/confirm	rejectPO	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)