Regist	ter <u>:Re</u>	<u>:ReservationIdentityMap</u>	:UnitOfWork	:ReservationTDG	Reservation Table	
Reservation(username, oldRoomNumber, newRoomNumber, oldTimeslot, newTimeslot)] 	
[invalid parameters] error		i I	i I	i I	i I	
	hasReservation(username, roomNumber, timeslot)	 	I I] 	I I	
Γ΄ L			I I]] 	
		hash:= getHash(username, roomNumber, timeslot) reservation:= find(hash)] !] !	
		1	ReservationCount(username, roomNumber, timeslot)			
		!	<u>!</u>	→ 	! 	
		 	<u>count</u>	·		
\mathbf{l}^{\perp}	hasReservationhasReservation					
[hasReservation] error			i I	i I	i I	
	find(username, oldRoomNumber, oldTimeslot)		I I]] 	
I I		hash:= getHash(username, oldRoomNumber, oldTimeslot)	I I] 	l I	
		find(hash)				
		reservation		 		
		[reservation not fo	und] find(username, roomNumber, timeslot)	 	 	
				SELECT SELECT	[]	
		i 	reservation fields	Î I		
] 	
		reservation:= load(reservation fields) [reservation found] add(reservation)				
	reconnetion	1		 		
· · · · · · · · · · · · · · · · · · ·	<u>reservation</u>			1 	 	
[reservation not found] error		, 		1 	 	
	isTimeslotReserved(roomNumber, timeslot)	· · · · · · · · · · · · · · · · · · ·		, 	, 	
		findReserved(roomNumber, timeslot)	 	[]	 	
		reservation		 	 	
		[reservation not for	und] getFilledCount(roomNumber, timeslot)		I I !	
		 	<u>count</u>			
\ 	<u>reserved</u>			1 	I 	
; i ⊢	[not reserved] removeFromAllOtherWaitingLists(username, roomNumber, timeslot)	·				
i I		reservations:= findAllOtherPendingReservations(username, roomNumber, timeslot)	i I	; 	i I	
		ı 	I I] 	I I	
		[reservations not empty] redisterRemoved(reservations)]] 	
! !		deleteAll(reservations)	—————————————————————————————————————] !] [
			Reservations (username, room Number, timoslot)			
	doloto/ugowoooo oldDoowsNiveshow oldTives-law	I deleteAliOtherPending	Reservations(username, roomNumber, timeslot) I	→ 	 	
	delete(username, oldRoomNumber, oldTimeslot)	—→i i		, 	, 	
		hash:= getHash(username, oldRoomNumber, oldTimeslot)	i I I	 	i I I	
		find(hash)		 	 	
		reservation				
! !		[reservation not fou	nd] find(username, oldTimeslot, oldTimeslot)] [
				SELECT	[]	
		 	reservation_fields	·	 	
		reservation:= load(reservation fields)		, 	, 	
		[reservation found] regis/terRemoved(reservation)	; 	; ! !		
		[reservation not found] delete(reservation)		i I	i I	
		[reservation not found] redisterRemoved(reservation)]] 	
! !	insert(username, newRoomNumber, status, newTimeslot, timestamp)		—————→I !]]] [
<u>├</u> !	moerciasemanne, nevittoomivamber, status, nevi imesiot, timestamp)		r:= create(username, newRoomNumber, status, newTimeslot, timestamp)	 		
<u> </u>			r.= create(username, newkoomivumber, status, newrimesiot, timestamp)			
		aαα(r)		, 	, 	
		registe¦rNew(r)	• · · · · · · · · · · · · · · · · · · ·	i I	i I	
	commit()		 	1 1	 	
I I		commit()		1 1	1 !	
		applyInsert(newObjects)				
			insert()		 	
				INSERT	·]	
		applyDelete(newObjects)		, 		
· ·			delete()	 	i i	
				DELETE]	
			<u>l</u>		7 1	
		annly Indate (newOhiects)		!		
		applyUpdate(newObjects)	setFilled()	; []	l I	
		applyUpdate(newObjects)	setFilled()	 	 	
		applyUpdate(newObjects)	setFilled()	UPDATE	[]	