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1 INTRODUCTION

This is partly my fault but there should be more 2 subsections

SCOPE

1.1 OVERVIEW OF SYSTEM

The Employee Scheduling System (ESS) is a system for Employers to manage time off requests. ESS includes actors such as Employees and Supervisors who represent workers of any given business. ESS allows Employees and Supervisors to schedule time off. Supervisors have administrative authority to approve or deny all time off requests from Employees and Supervisors. Supervisors will have access to a queue that will hold all time off requests from Employees and Supervisors. The ESS software will allow efficient management of submitting time off requests, approval of time off requests, denial of time off requests, and status of time off requests.

1.2 SCOPE OF SYSTEM

The Employee Scheduling System (ESS) is a system used to provide simple and efficient means for an employee to request time off and for appointed supervisors to administrate, approve, or deny those requests. ESS has an internal database with authorized users and their password hashes. Employees can submit requests for time off, which are stored in the database. Supervisors are then able to see the contents of the time off requests, the employee that initiated it, and the reason for the request. Once the Supervisor responds to a request, it is removed from the Supervisor's queue and the database. The system includes secure login, logout functionality in addition to the primary scheduling applications.

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1.3 OVERVIEW OF DOCUMENT

The rest of the document is structured as follows: Chapter 2 outlines the functional requirements of the system, the use case diagram, and detailed use case descriptions. Chapter 3 depicts several individual user interface mockups. Chapter 4 contains the revision history of previous versions of this document.

2.3 USE CASE DESCRIPTIONS

Use case name	Login
Participating actors	Initiated by Employee or Supervisor
Flow of events	1. Employee enters their user ID in User ID field and Password in Password field. 2. **ESS responds by authenticating the entered user ID and Password.** 3. **The ESS will distinguish if User is Employee or Supervisor via SQL query.** 4. **The Time Off Request interface will open for Employee and the Supervisor Menu interface will open for Supervisor.**
Entry condition	
Exit condition	User ID and password are authenticated via SQL query.
Security requirements	The password must be hashed at all times. The dialogue boxes that handle username and password must be shielded against code execution and SQL injections. Password policy must be used to eliminate malicious input. Windows shortcut-key exploits must be disabled to avoid accessing a shell or forcing an exploit. Only <ENTER> will be recognized for acknowledgement of the message/dialogue box.

Figure 2.2: Login: valid login

2 events, not 4

Use case name	RequestResponse
Participating actors	Initiated by Supervisor
Flow of events	1. **ESS displays Employee Time Off Request in the Supervisor's Time Off Request queue**. 2. Supervisor selects the appropriate request from Time Off Request queue on the Request Response interface. ~~3.~~ Supervisor clicks Approve. 3 ~~4.~~ **ESS updates Time Off Request status field in database with "Approved".**
Entry condition	The Supervisor selects Time Off Request Response button from Supervisor Menu Form.
Exit condition	Time Off Request status field in database with "Approved".
Security requirements	All responses are tracked by User ID ensuring that no unauthorized individuals are able to surreptitiously gain access to a request.

Figure 2.5: RequestResponse: Approve

3 events, not 4

#1 event does not seem to belong here, in that case you really only have 2 events.

Use case name	RequestResponse
Participating actors	Initiated by Supervisor
Flow of events	1. **ESS displays Employee Time Off Request in the Supervisor's Time Off Request queue.** 2. Supervisor selects the appropriate request from Time Off Request queue on the Request Response interface. ~~3.~~ Supervisor clicks Deny. ~~4.~~ **ESS updates Time Off Request status field in database with "Denied".**
Entry condition	The Supervisor selects Time Off Request Response button from Supervisor Menu Form.
Exit condition	Time Off Request status field in database with "Denied".
Security requirements	All responses are tracked by User ID ensuring that no unauthorized individuals are able to surreptitiously gain access to a request.

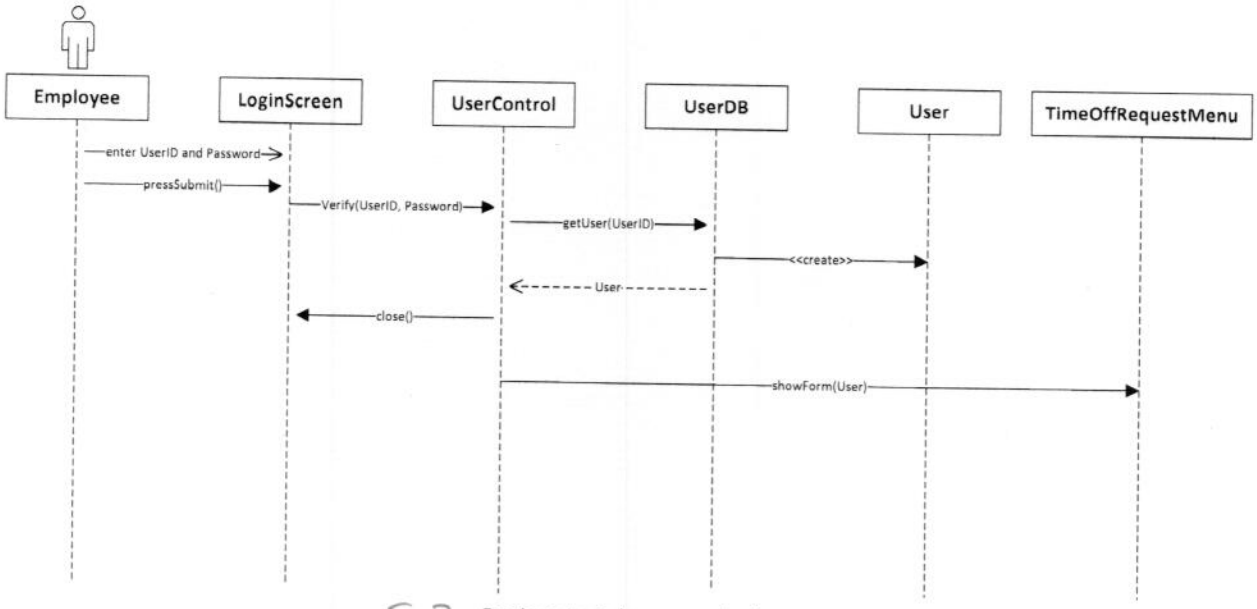
Figure 2.6: RequestResponse: Deny

3 events, not 4

Use case name	TimeOffRequest
Participating actors	Initiated by Supervisor or Employee
Flow of events	1. Employee successfully logs into the system or Supervisor selects Time Off Request from Supervisor Menu form. **2. ESS presents the Time Off Request form for the Employee or Supervisor to select a date to request time off.** 3. The Employee or Supervisor select a date, time and a reason per request. **4. ESS receives the form and pushes following fields to the database tables: Employee/Supervisor name, request date, request time, and request reason.** **5. ESS populates the appropriate employee and supervisor time off request queues.**
Entry condition	The Supervisor selects Request Time Off button from Supervisor Menu Form.
Exit condition	The employee's time off request is reflected in the appropriate employee and supervisor queues.
Security requirements	

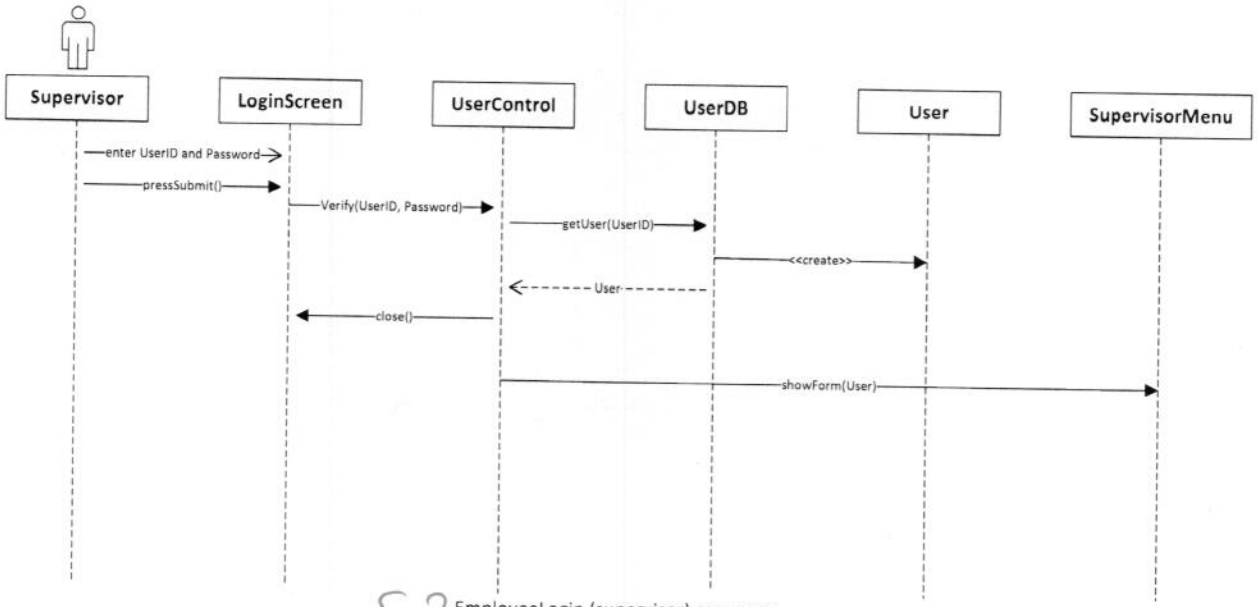
Figure 2.7: TimeOffRequest

4 events, not 5



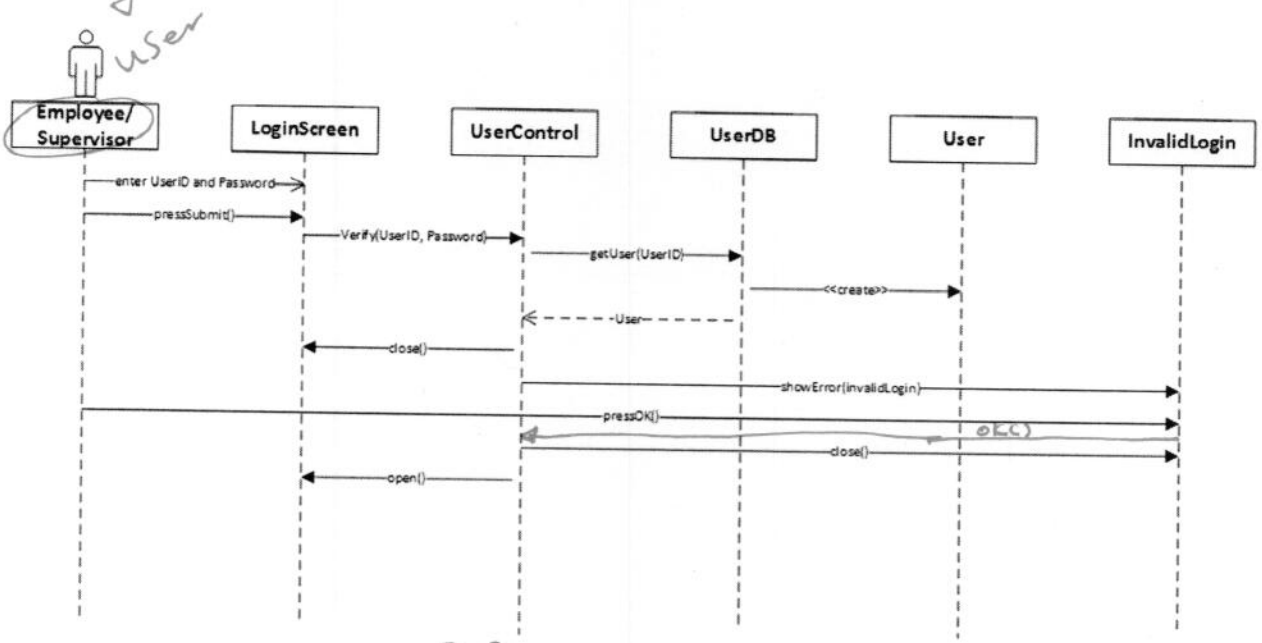
Fig? EmployeeLogin (non-supervisor) sequence

I did not see a third entity object



Fig? EmployeeLogin (supervisor) sequence

You can generalize here



fig? InvalidLogin sequence

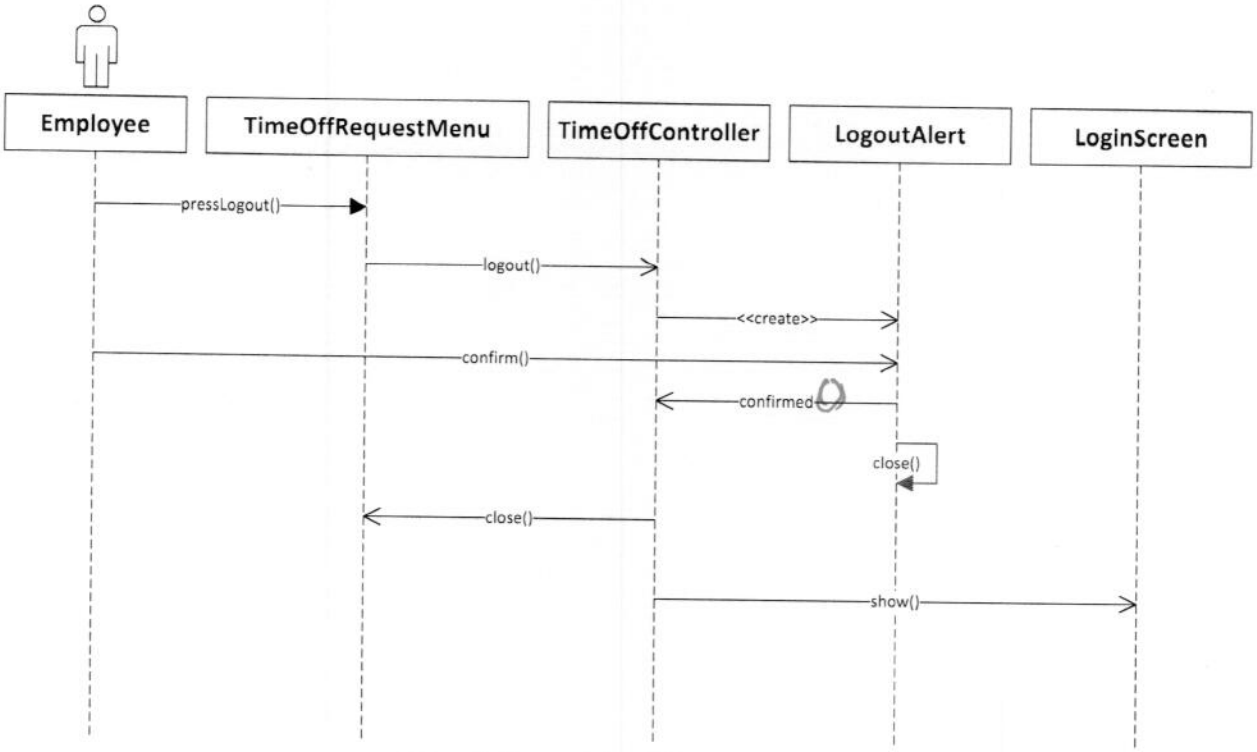


fig 7 RequestTimeOffLogout sequence

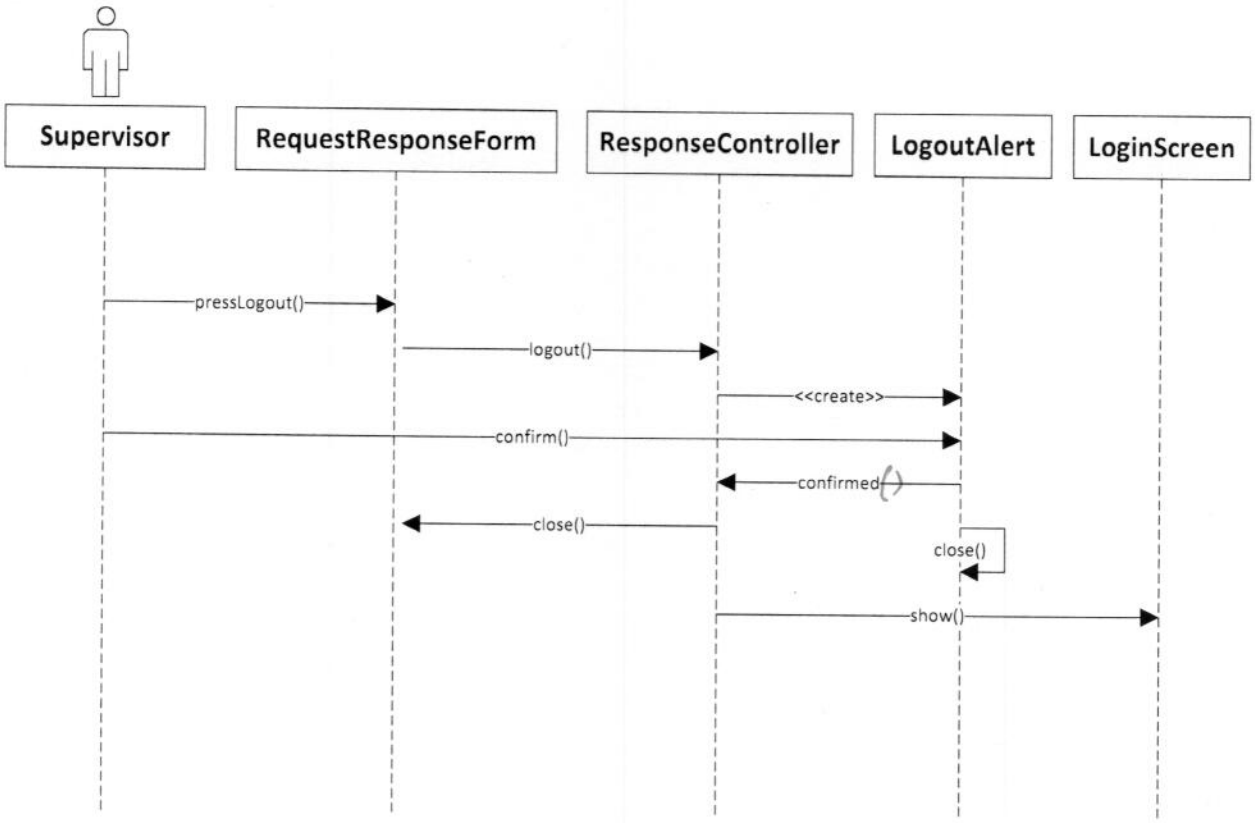
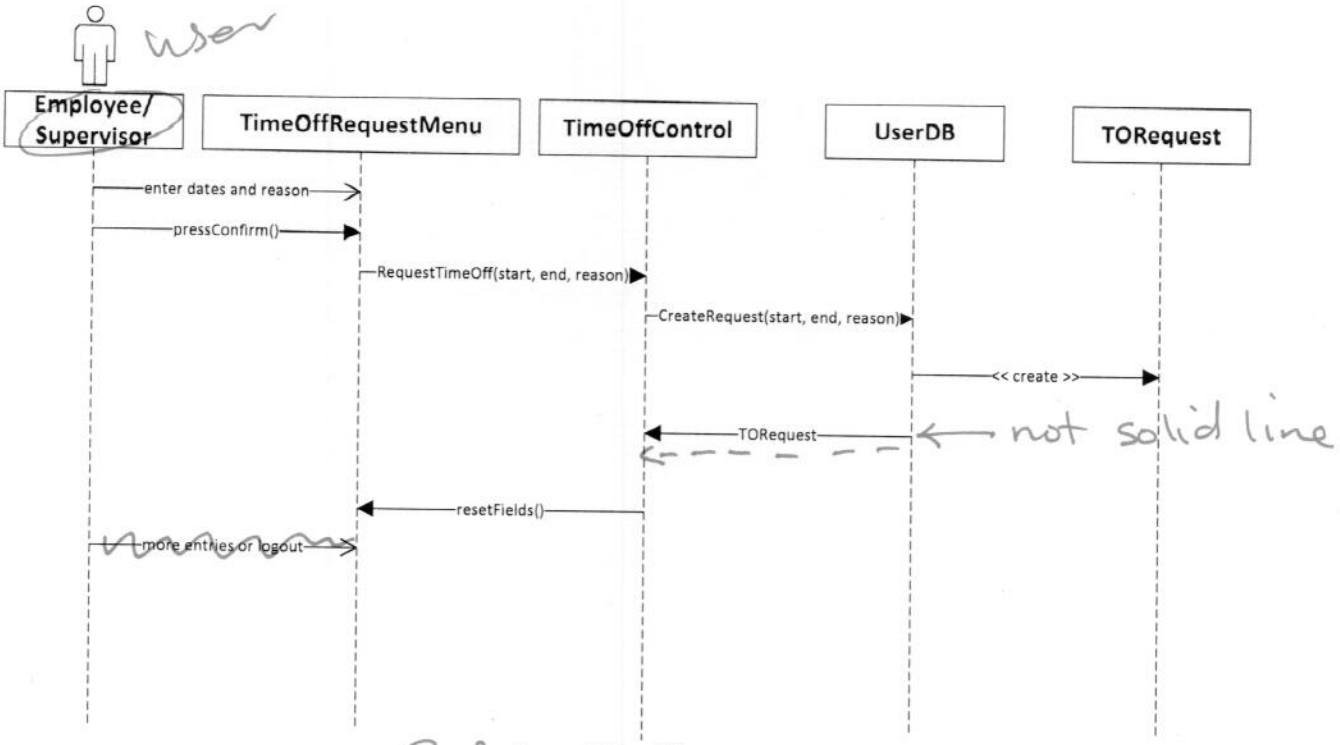
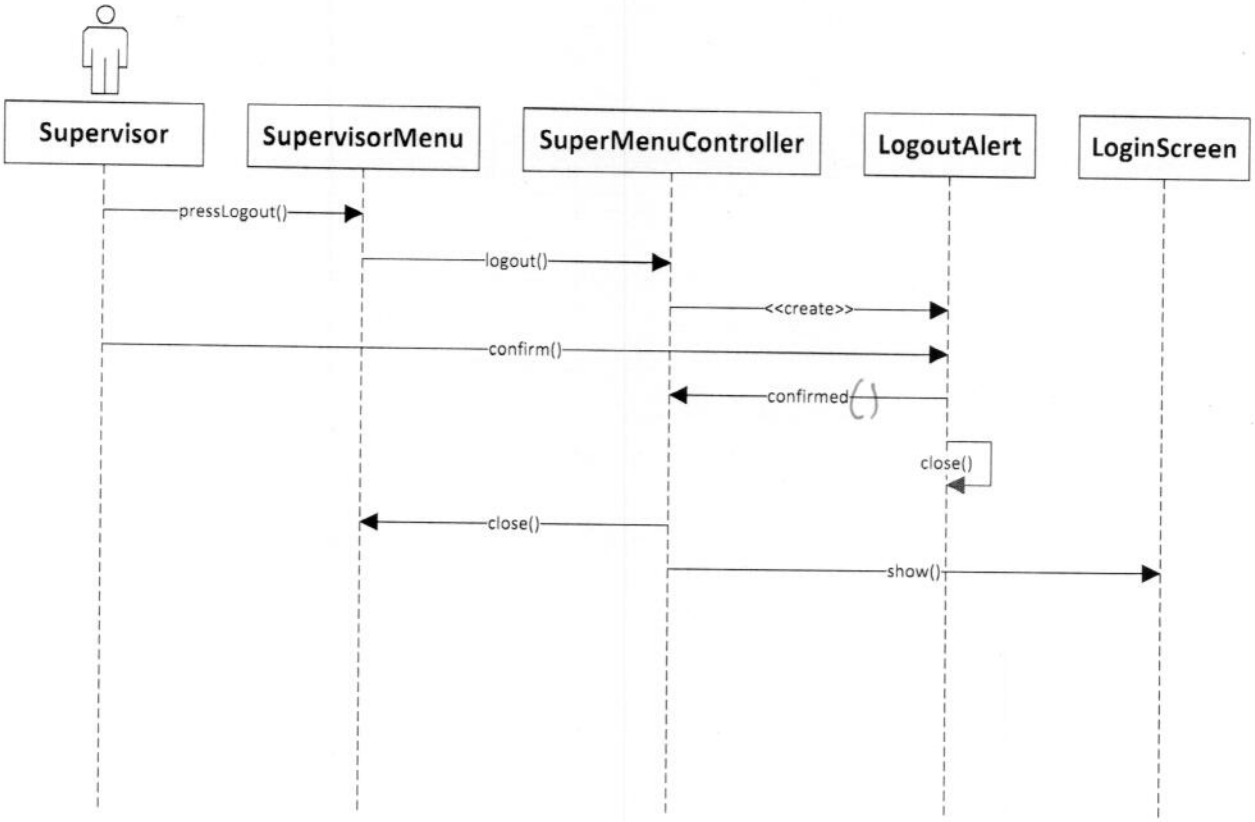


Fig 7 RequestResponseLogout sequence



fig? RequestTimeOff sequence

Does not match description. The 1st event here is user entering date & reason, which is event #3 on your description. Either description or sequence diagram is incorrect.



fig? SupervisorMenuLogout sequence

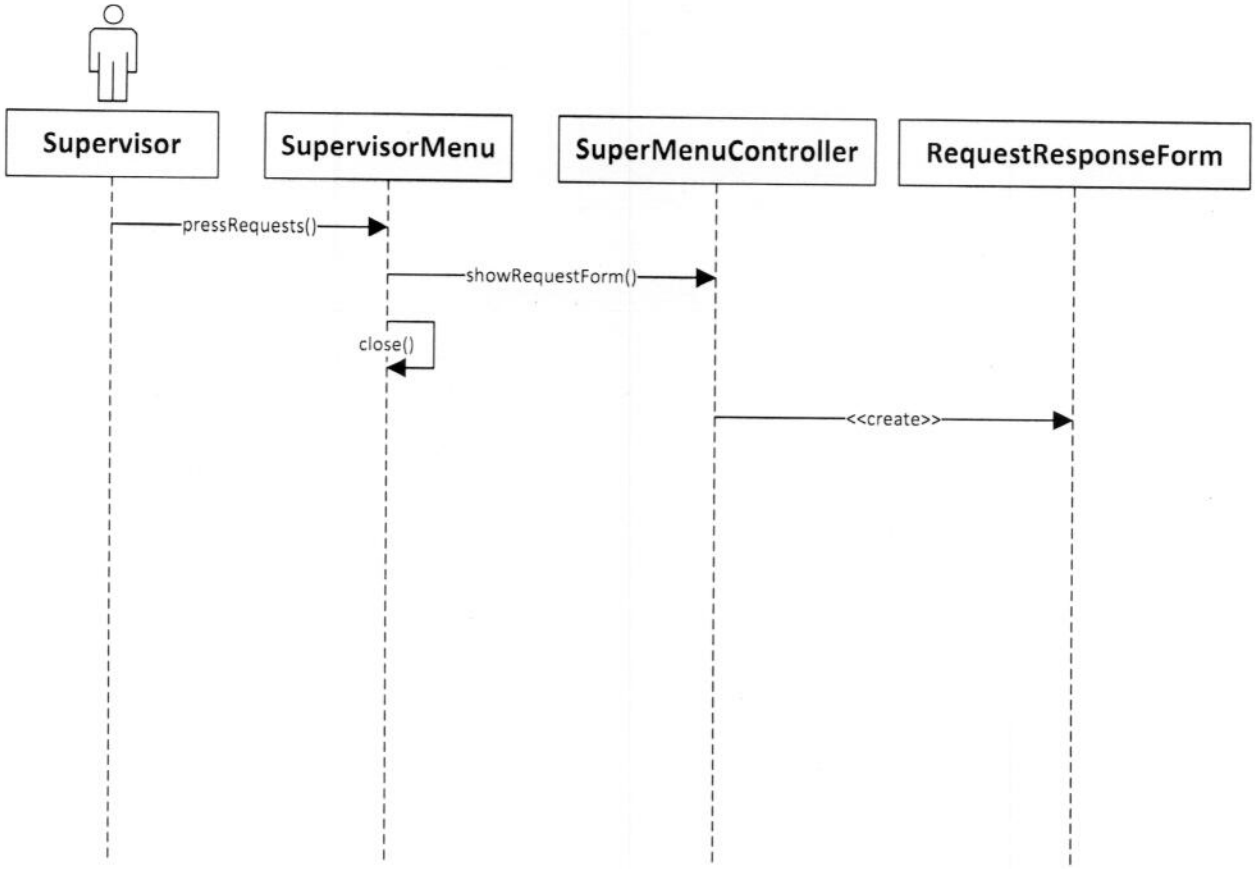


fig SupervisorMenuReqResponseForm sequence

i'm not sure what this is for

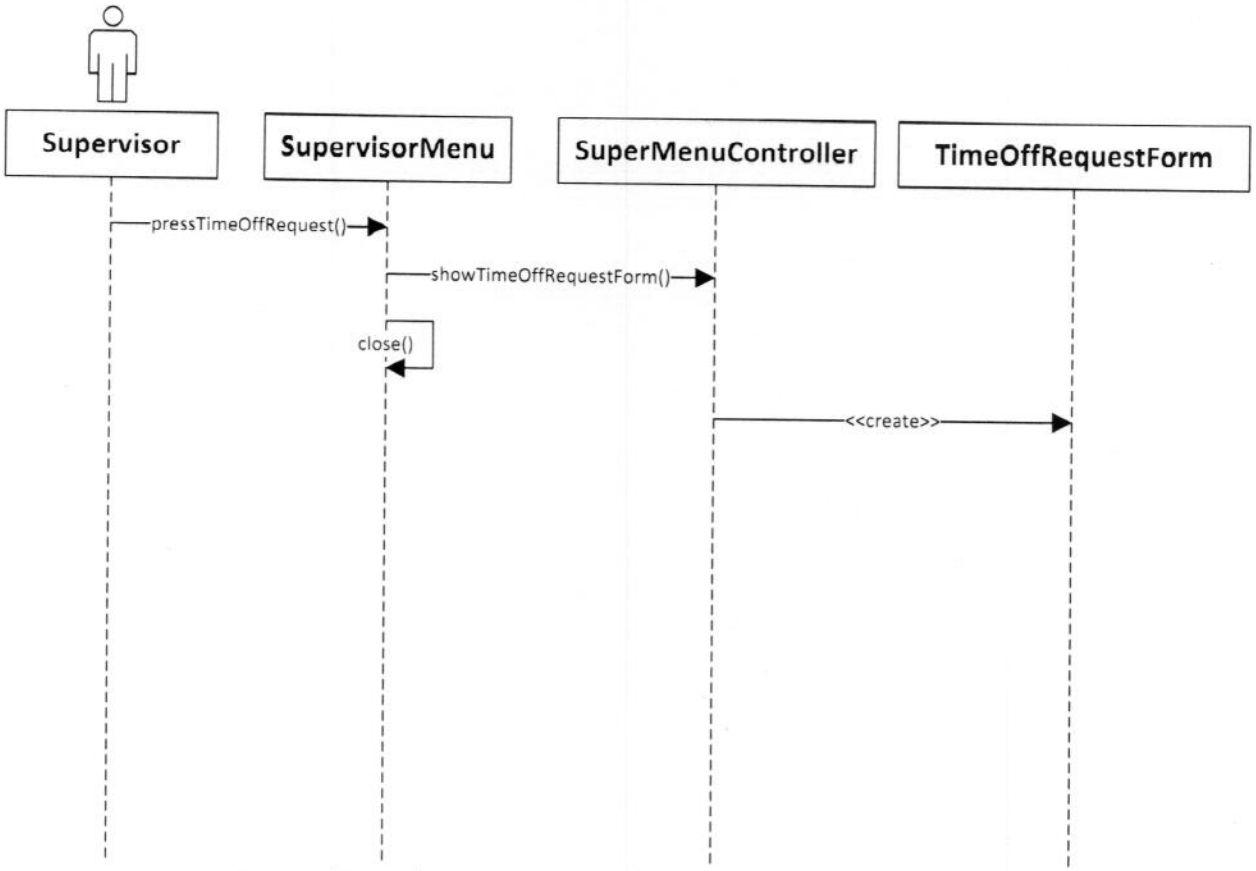


fig SupervisorMenuTimeOffRequest sequence

what description is this from?

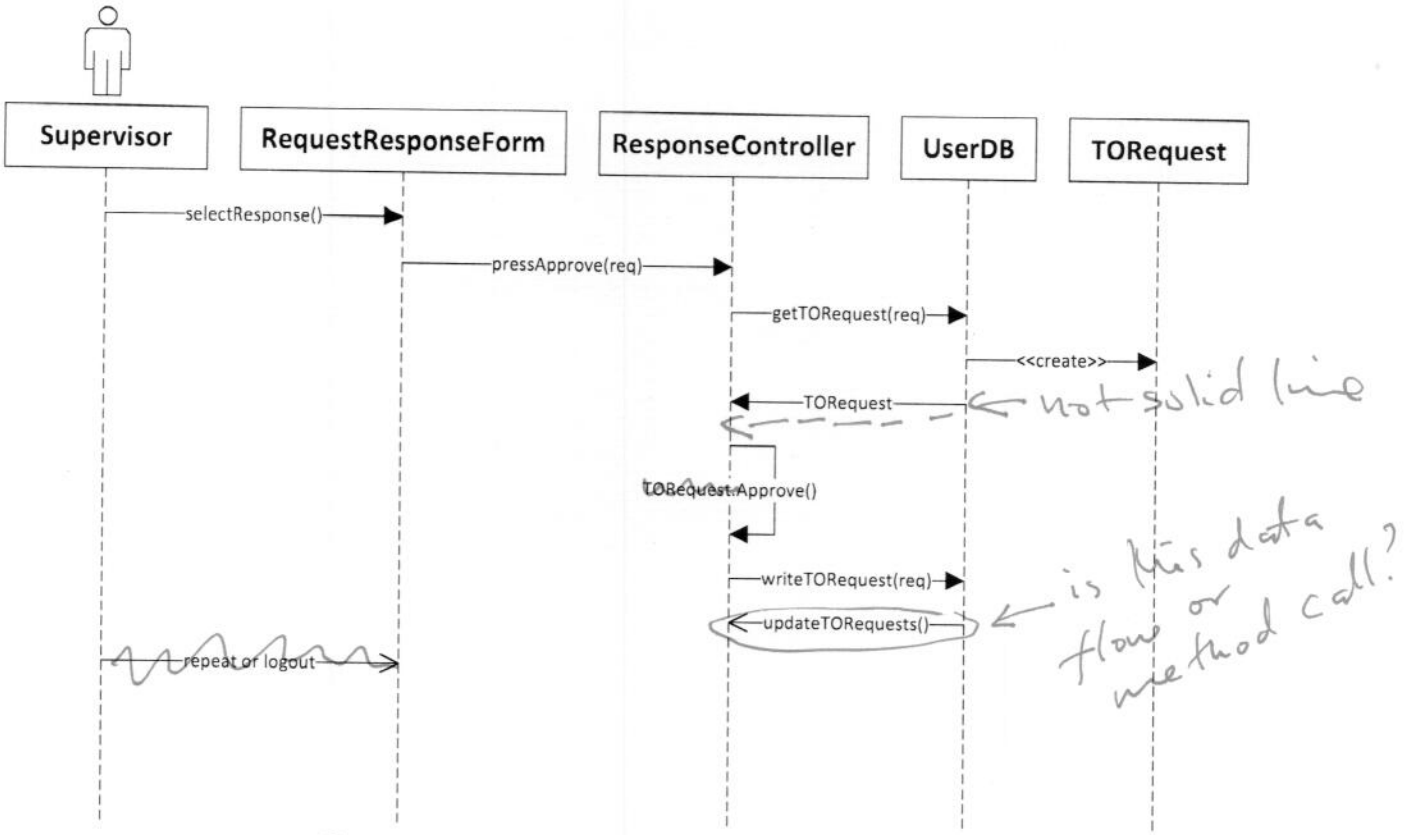


fig RequestResponseApprove sequence

Here again, #1 event is #2 event in your description. This suggests that #1 event in your description should not be there as part of the flow of events.

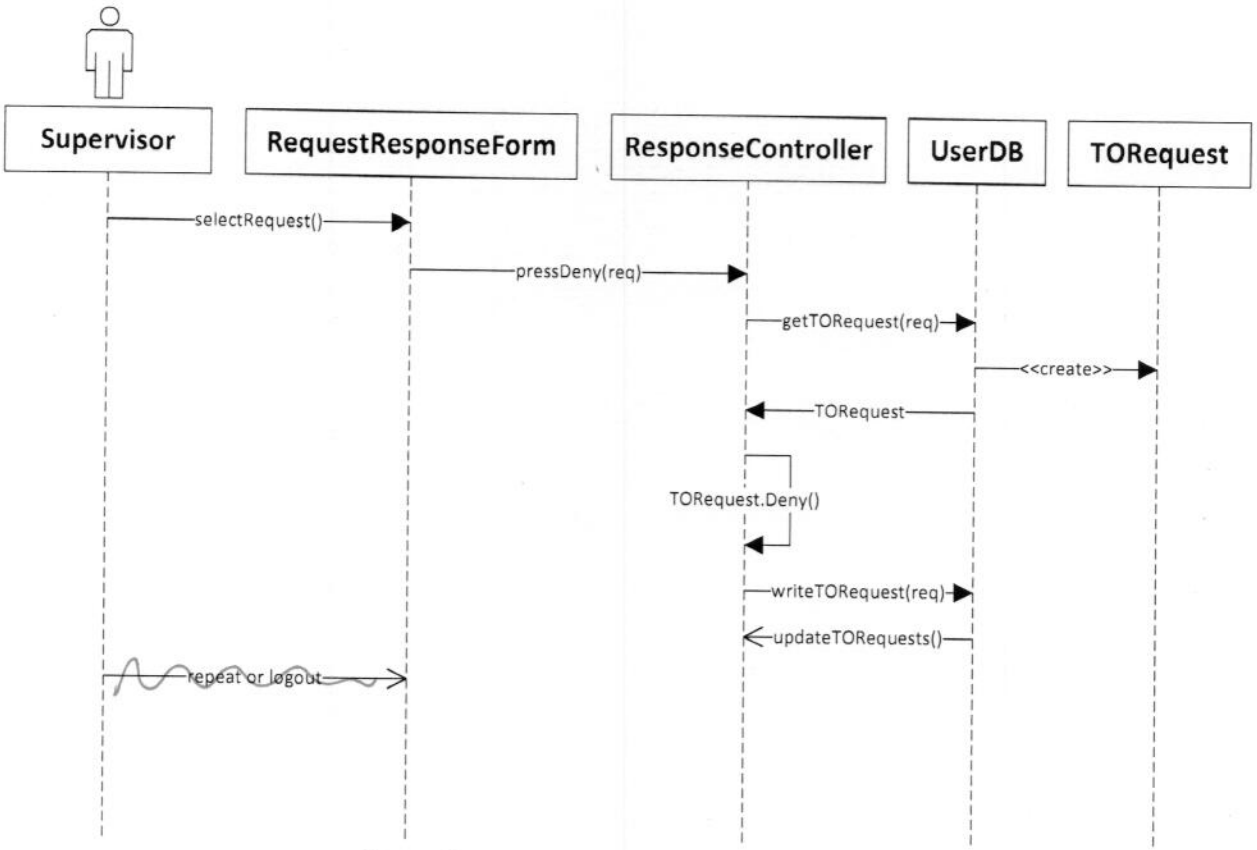


fig RequestResponseDeny sequence

Same issues as page 23.