Sequence Diagram *seqRequestShiftChange*

Lifelines: User | Dashboard | ScheduleBroker | Schedule | ShiftBroker | EmployeeBroker | Employee | Notification

1: Clicks on Users tab

2: Clicks on Request Shift Change link in sidebar

2.1: Request User's schedule

2.1.1: Request schedule

2.1.1.1.1: Display User's schedule in widget

2.1.1.1: Return User's schedule

3: User clicks on a shift presented in the widget from their schedule

4: Clicks Confirm button

5: Clicks Place In Pool button

5.1: Place shift in a collection of shifts that employees can request to t...

5.1.1: System waits for an employee to accept

5.1.1.1: If no employee accepts the shift, remove it from the broker

6: Employee requests the shift

6.1: Retrieve Employee's Supervisor

6.1.1: Send Notification to Supervisor

6.1.2: If Supervisor or User is different

6.1.3: Send notification to User's supervisor

6.1.4: Get schedule for both Employee and User

6.1.4.1: Change User's schedule

6.1.4.2: Change Employee's schedule

6.1.5: Remove schedule from pool

7: Supervisor reverses schedule change

7.1: Get schedules for both Employee and User

7.1.1: Change User's schedule

7.1.2: Change Employee's schedule

7.2: Send notifications to User and Employee about the change

7.3: Get supervisor's supervisor information

7.3.1: Send notification to their supervisor about decision

8: Supervisor's Supervisor reverses decision

8.1: Get schedules for both Employee and User

8.1.1: Change User's schedule

8.1.2: Change Employee's schedule

8.2: Notify Supervisor that their supervisor has reversed decision

9: Request Employee to take shift

9.1: Retrieve all Employees that can work the shift at user's permissio...

9.1.1: Return list

9.1.1.1: Display list

10: Clicks employee to work

10.1: Check if employee can work the same job and isn't working at th...

10.1.1: Req'd employee cannot work, send notification to User

10.1.2: Req'd employee can work, send notification to employee

10.1.2.1: Employee receieves the notification

10.1.2.1.1: Accepts proposal

10.1.2.1.1.1: Change Employee and User schedule

10.1.2.1.1.1.1: Notify User that employee accepted

10.1.2.1.1.1.1.1: Change User's schedule

10.1.2.1.1.1.1.2: Change Employee schedule

10.1.2.1.1.1.2: Resume Step 7 if supervisor reverts change

10.1.2.1.2: Refuses proposal

10.1.2.1.2.1: Send notification back to User that Employee could not w

10.1.2.1.3: Silent Refusal

10.1.2.1.3.1: Notification is ignored

11: Clicks on Drop Request link in sidebar which only appears if a req...

11.1: Gets request details

11.1.1: Display request details

12: Clicks on Drop This Request button

12.1: Pending removal request from employee data

12.1.1: Checks to see if any other employee was involved in request

12.1.1.1: Send notification to employee that request was dropped

12.1.2: Remove request