Sequence diagram

Participants:
- manager
- presentationController: PresentationController
- menuPrinter: MenuPrinter
- facadeService: FacadeService
- shiftService: ShiftService
- Singleton ShiftController: instance
- Singleton EmployeeController: instance
- Singleton EmployeeController: instance

Messages:
- date=:schedule()
- date=:getDateDetails()
- shift=:shtshiftNum
- shift=:getInt()
- choice=:getChoice
- choice=:getInt()
- HandleManagerScheduleChice(date, shift, choice)
- addEmployeeToShift(date, shift)
- role=:roleMenu()
- break [role=Null]
- ID=:getString()
- addEmployeeToShift(role, ID, date, shift)
- addEmployeeToShift(role, ID, date, shift)
- addEmployeeToShift(role, ID, date, shift)
- alt [exception]
  - break [date<today] exception("the date has already passed")
  - break [date=Shabbat] exception("Super-Lee does not work at Shabbat")
  - isExist =: isExist(role, ID)
  - break [!isExist] exception("ID * and role * does not exist in system")
  - employee =: getEmployee(ID)
  - create()
  - Employee: employee
  - constraints=: getConstraints(ID)
  - break [constraints.containsKey(date)] exception("Employee is unavailable")
  - weeklyShift=:getWeeklyShiftSchedule(date)
  - create()
  - WeeklyShiftSchedule: weeklyShift
  - shift=:getShift(date, shift-1)
  - create()
  - Shift: shift
  - isWorking=:isWorking(role, ID)
  - break [isWorking] exception("Employee is already manning the other shift of the day.")
  - addEmployeeToShift(role,ID, date, shift)
  - break [date<now] exception("Date is already passed.")
  - manning=:getManning()
  - break [manning.role.contains(ID)] exception("Employee already exists in the current shift.")
  - addEmployee(role, ID)
  - insert(DalShift)
- responseT

- put(id, newEmployee)
- save(newEmployee)