State diagram — Hotel Management System:

- login do/ check username and password
  - [invalid]
  - on view → display do/ show options
- display do/ show options → select entry/ show available rooms
- display do/ show options → view entry/ show list of hostels
- select entry/ show available rooms → [not alloted]
- Allot do/ allot the selected room (action: rooms available)
- select entry/ show available rooms → Allot do/ allot the selected room
- Pay : Payment (make payment)
- Allot → Pay : Payment
- view entry/ show list of hostels → do/ navigate around page
- do/ navigate around page → Logout do/ user credentials (done)
- Pay : Payment → Logout do/ user credentials (payment successful)