**Test Cases**

Hospital Management Automation

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**Test Cases for Hospital Management System**

(Manager – Receptionist - Doctor)

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| ID | Use Case | Function being Tested | Initial System State | Input | Expected Output |
| (1)  Manager | Receiving employee in hospital | System allows for adding correct name | System is on  and display list of employee | Insert name | System is accepted and valid name |
| (2)  Manager | Receiving employee in hospital | System is not accepted to incorrect entry | System is on  and display list of employee | Insert e-mail Jack@ | The invalid e-mail is performed and system displace an error message |
| (3)  Manager | Delete employee | System accepts correct selection to delete | List of employees open | Select employee | Deleted |
| (4)  Manager | Delete employee | System does not accept  Manager’s input | List of employees open | (empty) | System displace an error message:’ choose someone’ |
| (5)  Manager | Update employee | System allows employee to update | List of employees open in the system | Write new phone number | Valid employee’s phone number and updateable |
| (6)  Manager | Update employee | Incorrect information does not allow to system | List of employees open in the system | Change age as A25 | System displace an error message and invalid age |
| (7)  Manager | Assign doctor to operation | System allows doctor available for operation | System is on and decides to available doctor of employee list | Enter doctor id | Doctor assigned to operation |
| (8)  Manager | Assign doctor to operation | Incorrect doctor id is not accepted | Request to re-assign doctor id is being displayed | Enter incorrect doctor id | System display message and again enter doctor id |
| (9)  Receptionist | Add patient to the room | System accepts patients ID | System is asking for entry of patient ID | Enter a correct patient ID(1015) | System accepts and continues |
| (10)  Receptionist | Add patient to the room | System does not accepts incorrect patients ID | System is asking for entry of patient ID | Enter an incorrect patient ID(Yu7g9k8) | System display an error message |
| (11)  Receptionist | Modify patient | System does not accepts incorrect identification no | System is asking for entry of identification no | Enter an incorrect identification no (32) | System display an error message |
| (12)  Receptionist | Modify patient | System accepts SSN of patient | System is asking for entry of SSN of patient | Enter a correct SSN of patient | System accepts and continues |
| (13)  Receptionist | View patient information | System displays the information page | System is asking for entry of patient ID | Enter a correct patient ID(1015) | System displays successfully the information page |
| (14)  Receptionist | View patient information | System does not display the information page | System is asking for entry of patient ID | Enter empty input | System display an error message |
| (15)  Receptionist | Check-in patient | System accepts identification no | System is asking for entry of identification no | Enter a correct identification no | System accepts and continues |
| (16)  Receptionist | Check-in patient | System does not accepts incorrect email | System is asking for entry of email | Enter an incorrect email (Ahmet”#^^@) | System display an error message |
| (17)  Receptionist | Check-out patient | System deletes the patient’s record | System is asking for entry of patient ID | Enter a correct patient ID(1015) | System has successfully complete the deletion |
| (18)  Receptionist | Check-out patient | System makes empty status of the room | System is asking for the room to be empty | Answer Yes | System is successfully  discharge the room from records |
| (19)  Doctor | Doctor examines and then writes e-prescription | System accepts doctor ID | System is asking for entry of doctor ID | Enter a correct patient ID | System display a doctor’s main page |
| (20)  Doctor | Doctor examines and then writes e-prescription | System does not accept incorrect date | System is asking for entry of date | Enter an incorrect date(34/54/2017) | System display an error message |
| (21)  Doctor | Doctor decides to stay for the patient in the hospital. | System accepts doctor’s selection. | System is on and patient information is displayed on the screen. | Doctor select ‘ Stay in hospital’ button | System ask for approval. |
| (22)  Doctor | Doctor decides to stay for the patient in the hospital. | System accepts doctor’s selection. | System is on and patient information is displayed on the screen. | Doctor select ‘ Not stay in hospital’ button | System ask for approval. |
| (23)  Doctor | Doctor Controls and analyze daily situations of patients in boarding. | System accepts doctor’s input. | System is on and patient information is displayed on the screen. | ‘Patient situation is stable.’ | Saved. |
| (24)  Doctor | Doctor Controls and analyze daily situations of patients in boarding. | System does not accept  Doctor’s input. | System is on and patient information is displayed on the screen. | ( empty) | System displays an error screen: ’This field cannot be left blank.’ |
| (25)  Doctor | Doctor sends a request to the system for X-ray, MR | System accept  Doctor’s selecting. | System is on and patient information is displayed on the screen. | Select  ‘X-Rey’ | The system successfully sent the request. |
| (26)  Doctor | Doctor sends a request to the system for X-ray, MR | System accept the doctor’s password. | System is asking password for entry | Enter a password. | System displays a menu for the doctor. |
| (27)  Doctor | Doctor do operation and adds surgical information to the system. | System accept  Doctor’s selecting. | System is on and patient information is displayed on the screen. | Select  ‘EX’ | Patient is EX.  Death time:  00:00:00 |
| (28)  Doctor | Doctor do operation and adds surgical information to the system. | System does not accept  Doctor’s input. | System is asking password for entry | Enter “&, %, @” | System displays an error screen: ’Invalid input’ |
| (29)  Doctor | **Doctor’s weekly schedule** | System checks and accepts doctor’s input. | The doctor selects a valid date. | 01.04.2016 | There are 3 registered appointments:  …………. |
| (30)  Doctor | **Doctor’s weekly schedule** | System does not accept  Doctor’s input. | The doctor updates the date. | 13.13.2013 | System displays an error screen: ’Invalid input’ |