**USE CASE DESCRIPTION**

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| **Use Case [1]: Register** |
| **Description** |
| Patients must register first to access the online services of the system via website. |
| **Trigger** |
| Someone enters the website and clicks register button |
| **Actors** |
| Patient |
| **Precondition** |
| Patient should open mobile application with active internet connection and should not have an existing account |
| **Post Condition** |
| Patients accessing online can use all services that has been made for them after registration |
| **Success Scenario** |
| A patient without an existing account accesses the website and registers himself/herself filling the registration form appropriately. |

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| **Use Case [2]: Login** |
| **Description** |
| Patients must be registered before logged into it and other user accounts must be created via admin |
| **Trigger** |
| Someone enters the website and clicks login button |
| **Actors** |
| Patient, Doctor, Doctor’s Assistant, Nurse, Admin |
| **Precondition** |
| Only patient will be accessible through mobile application and other users have to be connected through web and active internet connection will be required for it. |
| **Post Condition** |
| After successful login, all users can use all online services of the system which have been provided for them. |
| **Success Scenario** |
| Every user with an existing account accesses the website and logins with accurate credentials |

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| **Use Case [3]: Get Notified About Medicine** |
| **Description** |
| Patients will be get notified every time when it’s time to take medicine also a nurse will be there to check them first before taking the medicine. |
| **Trigger** |
| Someone will check the notification |
| **Actors** |
| Patient |
| **Preconditions** |
| 1. Patient must have an existing account. 2. Patient or his family will visit that mobile application to check the notification with active internet connection. |
| **Post Conditions** |
| Patient can check notification about which medicine have been assigned for that time. |
| **Success Scenario** |
| Someone accesses the system and get notification |

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| **Use Case [4]: Give Feedback** |
| **Description** |
| Patients will be able to give feedback about nurse or assistant which has assigned for him/her if he/she feel that the services are not enough or not properly doing. |
| **Trigger** |
| Someone will start typing the feedback and click submit button. |
| **Actors** |
| Patient |
| **Preconditions** |
| 1. Patient must have an existing account. 2. Patient or his family will visit from mobile application and login into it to give feedback |
| **Post Conditions** |
| Patient will give feedback to doctor |
| **Success Scenario** |
| Someone accesses the system and write on feedback section and submit it. |

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| **Use Case [5]: Send Problem Info** |
| **Description** |
| Patient will be able to send his problem if he/she face any and that will be another section from feedback. |
| **Trigger** |
| Someone will start typing the problem and click submit button. |
| **Actors** |
| Patient |
| **Preconditions** |
| 1. Patient must have an existing account. 2. Patient or his family will visit from mobile application and login into it to send problem |
| **Post Conditions** |
| Patient will send information about his problem |
| **Success Scenario** |
| Someone accesses the system and write on problem information section and submit it successfully. |

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| **Use Case [6]: Get Patient Present Report** |
| **Description** |
| Patient will be able to see his present condition. |
| **Trigger** |
| Someone will visit and click report button |
| **Actors** |
| Patient |
| **Preconditions** |
| 1. Patient must have an existing account. 2. Patient or his family will visit from mobile application and login into it to see the report |
| **Post Conditions** |
| No post condition is applicable for it. |
| **Success Scenario** |
| Someone accesses the system and see the recent condition of patient. |

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| **Use Case [7]: Get Billing Info** |
| **Description** |
| Patient will be able to check total billing information after he released from the hospital. |
| **Trigger** |
| Someone will click to Payment Button |
| **Actors** |
| Patient |
| **Preconditions** |
| 1. Patient must have an existing account. 2. Patient or his family will visit from mobile application and login into it to check the bill |
| **Post Conditions** |
| Patient will check total bill after release |
| **Success Scenario** |
| Someone accesses the system and check total billing information successfully. |

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| **Use Case [8]: Give Prescription** |
| **Description** |
| Doctor will give prescription |
| **Trigger** |
| Someone will start typing and fill the fields and click submit button. |
| **Actors** |
| Doctor |
| **Preconditions** |
| 1. Doctor must have an existing account. 2. Doctor will visit the webpage provided for him. |
| **Post Conditions** |
| Doctor will give medicine information |
| **Success Scenario** |
| Someone accesses the system and give medicine information successfully |

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| **Use Case [9]: Change Prescription** |
| **Description** |
| Doctor will be able to change his prescription also if needed |
| **Trigger** |
| Someone will start typing and fill the fields and click submit button |
| **Actors** |
| Doctor |
| **Preconditions** |
| 1. Doctor must have an existing account. 2. Doctor will visit the webpage provided for him. |
| **Post Conditions** |
| Doctor will give medicine information |
| **Success Scenario** |
| Someone accesses the system and change medicine information successfully |

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| **Use Case [10]: Assign Nurse** |
| **Description** |
| Doctor will be able to assign nurse for each patient |
| **Trigger** |
| Someone will start choosing and click submit button |
| **Actors** |
| Doctor |
| **Preconditions** |
| 1. Doctor must have an existing account. 2. Doctor will visit the webpage provided for him. |
| **Post Conditions** |
| Doctor will watch nurse list and choose one for each patient |
| **Success Scenario** |
| Someone accesses the system and choose nurses for the patient and assign them successfully |

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| **Use Case [11]: Change Nurse** |
| **Description** |
| Doctor will be able to change nurse according to a patients feedback if needed |
| **Trigger** |
| Someone will start choosing and click submit button |
| **Actors** |
| Doctor |
| **Preconditions** |
| 1. Doctor must have an existing account. 2. Doctor will visit the webpage provided for him. |
| **Post Conditions** |
| Doctor will watch nurse list and choose one for each patient |
| **Success Scenario** |
| Someone accesses the system and choose nurses for the patient and assign them successfully |

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| **Use Case [12]: Generate Report** |
| **Description** |
| Doctor will be able to generate report after watching recent condition of a patient |
| **Trigger** |
| Someone will start typing and filling the fields and click submit. |
| **Actors** |
| Doctor |
| **Preconditions** |
| 1. Doctor must have an existing account. 2. Doctor will visit the webpage provided for him. |
| **Post Conditions** |
| Doctor will complete typing all of those fields and submit it |
| **Success Scenario** |
| Someone accesses the system with active internet connection and fill all of those fields and submit it from the webpage which has been provided for him. |

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| **Use Case [13]: Get Patients Feedback** |
| **Description** |
| Doctor and Admin will be able to get patients feedback about the service they are getting them. |
| **Trigger** |
| Someone will open page and see the list |
| **Actors** |
| Doctor, Admin |
| **Preconditions** |
| 1. Doctor and Admin must have an existing account. 2. Doctor and Admin will visit the webpage provided for him. |
| **Post Conditions** |
| No post condition is required for this |
| **Success Scenario** |
| Someone accesses the system and start watching those reports |

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| **Use Case [14]: Get Patient present report** |
| **Description** |
| Nurses will be able to see patients present report which has been provided from doctor |
| **Trigger** |
| Someone will visit and watch the report |
| **Actors** |
| Patient, Nurse |
| **Precondition** |
| 1. Nurse must have an existing account 2. Nurse will visit the webpage with active internet connection |
| **Post Condition** |
| No post condition is required for this action |
| **Success Scenario** |
| Someone access the provided system and start watching the reports |

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| **Use Case [15]: Get patient info** |
| **Description** |
| Nurses will be able to see patient’s information which has been provided by patients. |
| **Trigger** |
| Someone will visit and watch patient info |
| **Actors** |
| Nurse |
| **Precondition** |
| 1. Nurse must have an existing account 2. Nurse will visit the webpage with active internet connection |
| **Post Condition** |
| No post condition is required for this action |
| **Success Scenario** |
| Someone access the provided system and start watching patient’s information |

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| **Use Case [16]: Allocate Assigned medicine** |
| **Description** |
| Nurses will be able to allocate which medicine has been provided for his/her patient for which he/she is assigned for |
| **Trigger** |
| Someone will visit and watch medicine names |
| **Actors** |
| Nurse |
| **Preconditions** |
| 1. Nurse must have an existing account 2. Nurse will visit the webpage with active internet connection |
| **Post Conditions** |
| No post condition is required for this action |
| **Success Scenario** |
| Someone access the provided system and start checking medicine names. |

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| **Use Case [17]: Monitor Patient Health** |
| **Description** |
| Nurses will monitor patient heath. This action will be done directly. So here the apps will do nothing. |
| **Trigger** |
| No action trigger required for this field. |
| **Actors** |
| Nurse |
| **Preconditions** |
| No precondition required for this. |
| **Post Conditions** |
| No post condition required for this. |
| **Success Scenario** |
| Someone will check current condition of a patient by directly going to them. |

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| **Use Case [18]: Update Medicine Info** |
| **Description** |
| Assistant will update medicine info after gathering it from doctor |
| **Trigger** |
| Someone will visit and start typing and click submit button |
| **Actors** |
| Doctor’s Assistant |
| **Preconditions** |
| 1. Doctor’s assistant must have an existing account. 2. Assistant will visit webpage and login into it. |
| **Post Conditions** |
| Assistant will update medicine info |
| **Success Scenario** |
| Someone will visit the webpage and start updating medicine info |

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| **Use Case [19]: Maintain patient info** |
| **Description** |
| Assistant will be able to see and maintain patient information when needed |
| **Trigger** |
| Someone will visit and start checking |
| **Actors** |
| Doctor’s Assistant |
| **Preconditions** |
| 1. Doctor’s assistant must have an existing account. 2. Assistant will visit webpage and login into it. |
| **Post Conditions** |
| Assistant will check each and every details of a patient |
| **Success Scenario** |
| Someone will check patient information and give response to doctor |

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| **Use Case [20]: Update Assigned Nurse** |
| **Description** |
| Assistant will be able to update assigned nurse after getting the information from doctor. |
| **Trigger** |
| Someone will visit and start typing new information and click submit button |
| **Actors** |
| Doctor’s Assistant |
| **Preconditions** |
| 1. Doctor’s assistant must have an existing account. 2. Assistant will visit webpage and login into it. |
| **Post Conditions** |
| Assistant will update newly assigned nurse for the patient |
| **Success Scenario** |
| Someone will visit the website and update patient information |

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| **Use Case [21]: Generate / Update Bill** |
| **Description** |
| Assistant will be generate or update billing information according to service that patients get every day. |
| **Trigger** |
| Someone will visit and start typing new information and click submit button |
| **Actors** |
| Doctor’s Assistant |
| **Preconditions** |
| 1. Doctor’s assistant must have an existing account. 2. Assistant will visit webpage and login into it. |
| **Post Conditions** |
| Assistant will generate and update billing information |
| **Success Scenario** |
| Someone will visit the website and generate or update billing information everyday into the website |

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| **Use Case [22]: Authorize Patient Account** |
| **Description** |
| Admin will authorize patient information after their registration to the site. |
| **Trigger** |
| Someone will check patient information and click submit button |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will check patient information and authorize them. |
| **Success Scenario** |
| Someone will visit the website and check patient information each and every details and authorize them. |

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| **Use Case [23]: Update patient information** |
| **Description** |
| Admin will be able to update patient information if needed. |
| **Trigger** |
| Someone will visit and start typing new information and click submit button |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will check and update patient information |
| **Success Scenario** |
| Someone will visit and update patient information on demand. |

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| **Use Case [24]: Delete Patient Information** |
| **Description** |
| Admin will be able to delete patient information when they will be released from the hospital |
| **Trigger** |
| Someone will visit the website and click delete button |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will delete patient information |
| **Success Scenario** |
| Someone will visit the website and delete patient information. Though deleting information is not a good practice for a system. They basically store them into another portion named (Trash) |

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| **Use Case [25]: Set Bill To Patient** |
| **Description** |
| Admin will be able to update billing information which will be generated from doctor’s assistant to patient profile. |
| **Trigger** |
| Someone will visit and start typing new information and click submit button |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will update billing information to patient profile |
| **Success Scenario** |
| Someone will visit the website and update billing information to patient profile every day. |

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| **Use Case [26]: Add/ Update/ Delete Doctor** |
| **Description** |
| Admin will be able to manage each and every information of a doctor. Here he will be able to add a new doctor, update that doctor’s information or delete that doctor’s information if needed. |
| **Trigger** |
| Someone will visit and start typing and click submit button or delete button when it needed. |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will manage doctor’s information. |
| **Success Scenario** |
| Someone will visit the website and do those crud operation when it’s needed to do. |

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| **Use Case [27]: Add/ Update/ Delete Nurse** |
| **Description** |
| Admin will be able to manage each and every information of a Nurse. Here he will be able to add a new Nurse, update that Nurse’s information or delete that Nurse’s information if needed. |
| **Trigger** |
| Someone will visit and start typing and click submit button or delete button when it needed. |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will manage nurse’s information. |
| **Success Scenario** |
| Someone will visit the website and do those crud operation when it’s needed to do. |

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| **Use Case [28]: Add/ Update/ Delete Doctor’s Assistant** |
| **Description** |
| Admin will be able to manage each and every information of a assistant. Here he will be able to add a new Assistant, update that assistant’s information or delete that assistant’s information if needed. |
| **Trigger** |
| Someone will visit and start typing and click submit button or delete button when it needed. |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will manage assistant’s information. |
| **Success Scenario** |
| Someone will visit the website and do those crud operation when it’s needed to do. |

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| **Use Case [29]: Database Maintenance** |
| **Description** |
| Admin will be able to see and maintain database information everyday. |
| **Trigger** |
| Someone will visit database and check for vulnerability if needed. |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will manage database. |
| **Success Scenario** |
| Someone will visit into database section and check for security breach. |

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| **Use Case [30]: Technical Support** |
| **Description** |
| Admin will be able to give any kind of technical support to any kind of users. |
| **Trigger** |
| Someone will visit and start typing. |
| **Actors** |
| Admin |
| **Preconditions** |
| 1. Admin must have an existing account. 2. Admin will visit webpage and login into it. |
| **Post Conditions** |
| Admin will give technical support. |
| **Success Scenario** |
| Someone will visit the site and watch support tickets. |