عبد الله =====>> Client

Log in – Register – Show Data – Show Reviews – Show History – Edit Personal Data – Get Doctor Appointment Notification – Show Our Partners.

عبد الله =====>> ِAdmin

Add Clinic – Add Hospital – Remove Clinic – Remove Hospital – Add Hospital HR – Show Statistics.

عمر =====>> Lab

Log in – Show Data – Upload X-Rays – Add Analytics – Check & Submit Result – Lab Statistics.

عبد الفتاح =====>> Pharmacy

Log in – Show Data – Check & Submit Result – Medicine Statistics.

محمد =====>> Doctor

Log in – Add Patient Data – Show History – Show Doctor Ranks – Show Diseases Statistics.

نوران =====>> HR

Log in – Register Doctors – Block Doctors – Search – Edit Personal Data.

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| **Code** | F1 |
| **Name** | Log in |
| **Role** | Admin – client – HR – Lab – Pharmacy – Doctor |
| **Type** | Functional Requirement |
| **Description** | Give the actors a permission to do there functions and access the system features |
| **Pre-Condition** | Has a computer or mobile and internet connection |
| **Post-Condition** | Open log in page |
| **Input** | Enter log in required information |
| **Output** | Accept/reject log in action |

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| **Code** | F2 |
| **Name** | Register |
| **Role** | Admin – client – HR |
| **Type** | Functional Requirement |
| **Description** | Take the required information from the actors, check if exists or not and make him an new account with some steps to log in our system successfully |
| **Pre-Condition** | Not registered before, has a computer or mobile and internet connection |
| **Post-Condition** | Open register page |
| **Input** | Enter register required information |
| **Output** | Accept/reject register action |

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| **Code** | F3 |
| **Name** | Show data |
| **Role** | Lab – Pharmacy |
| **Type** | Functional Requirement |
| **Description** | General function allows actors to see kind of data related to his access for example lab can see rays and analytical data, pharmacy can see medicine data |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from show data button |
| **Output** | Open data page |

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| **Code** | F4 |
| **Name** | Show Reviews |
| **Role** | Client |
| **Type** | Functional Requirement |
| **Description** | It's a function allows the client to see the hospital, doctor, lab and pharmacy reviews and ranking |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Press show reviews button |
| **Output** | Open reviews page |

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| **Code** | F5 |
| **Name** | Show History |
| **Role** | Client – Doctor |
| **Type** | Functional Requirement |
| **Description** | This function allows actors to see the whole medical history from doctor description to the medicine and rays…etc |
| **Pre-Condition** | User must has an account |
| **Post-Condition** | Log in with his account |
| **Input** | Action from the history button |
| **Output** | Show the page of all data |

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| **Code** | F6 |
| **Name** | Edit Personal Data |
| **Role** | Client – HR |
| **Type** | Functional Requirement |
| **Description** | This function allows the actors to edit their personal data like name and address and so on |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with his account |
| **Input** | New data |
| **Output** | Notification with successful editing and open profile |

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| **Code** | F7 |
| **Name** | Get Doctor Appointment Notification |
| **Role** | Client |
| **Type** | Functional Requirement |
| **Description** | This function send a notification message to the patient remember him with the doctor appointment |
| **Pre-Condition** | Have an account, has a meeting with doctor |
| **Post-Condition** | Log in with his account |
| **Input** | Automatic input from doctor schedule |
| **Output** | Notification message with doctor appointment |

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| **Code** | F8 |
| **Name** | Show Our Partners |
| **Role** | Client |
| **Type** | Functional Requirement |
| **Description** | This function allows the actor to know our partners like hospitals, pharmacies and labs to go to the nearest one |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with his account |
| **Input** | Press show our partners button |
| **Output** | Open partners page |

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| **Code** | F9 |
| **Name** | Add Clinic |
| **Role** | Admin |
| **Type** | Functional Requirement |
| **Description** | The admin uses this function to add a clinic as an organization to our system and make the doctor responsible for it |
| **Pre-Condition** | Must has an account with admin permission |
| **Post-Condition** | Log in with his account |
| **Input** | Clinic and doctor data |
| **Output** | Clinic info and doctor profile |

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| **Code** | F10 |
| **Name** | Add Hospital |
| **Role** | Admin |
| **Type** | Functional Requirement |
| **Description** | The admin uses this function to add a hospital as an organization to our system and make the HR responsible for it |
| **Pre-Condition** | Must has an account with admin permission |
| **Post-Condition** | Log in with his account |
| **Input** | Hospital data |
| **Output** | Hospital info added successfully |

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| **Code** | F11 |
| **Name** | Remove Clinic |
| **Role** | Admin |
| **Type** | Functional Requirement |
| **Description** | This function allows the admin to delete and block the clinic from our system so we have not to deal with it anymore |
| **Pre-Condition** | Must has an account with admin permission |
| **Post-Condition** | Log in with his account |
| **Input** | Action from remove clinic button |
| **Output** | Notification of successful removing |

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| **Code** | F12 |
| **Name** | Remove Hospital |
| **Role** | Admin |
| **Type** | Functional Requirement |
| **Description** | This function allows the admin to delete and block the hospital from our system so we have not to deal with it anymore |
| **Pre-Condition** | Must has an account with admin permission |
| **Post-Condition** | Log in with his account |
| **Input** | Action from remove hospital button |
| **Output** | Notification of successful removing |

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| **Code** | F13 |
| **Name** | Add Hospital HR |
| **Role** | Admin |
| **Type** | Functional Requirement |
| **Description** | The admin uses this function after add a hospital department to add a person managing the hospital system  (human resource person) |
| **Pre-Condition** | Must has an account with admin permission |
| **Post-Condition** | Log in with his account |
| **Input** | Data of the hospital hr |
| **Output** | Notification of successful adding |

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| **Code** | F14 |
| **Name** | Show Statistics |
| **Role** | Admin – lab – pharmacy – doctor |
| **Type** | Functional Requirement |
| **Description** | This is a general function allows actors to see statistics about the system but with different views for each actor |
| **Pre-Condition** | Must have an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from show statistics button |
| **Output** | Open statistics page |

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| **Code** | F15 |
| **Name** | Upload X-Rays |
| **Role** | Lab |
| **Type** | Functional Requirement |
| **Description** | Get x-ray from a scanner and uploaded to the system and can be saved as pdf file where a doctor can access it and will much clearer |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from press upload x-ray button |
| **Output** | A Pdf form of the x-rays |

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| **Code** | F16 |
| **Name** | Add Analytics |
| **Role** | Lab |
| **Type** | Functional Requirement |
| **Description** | A feature helps the lap doctor add the analysis result of the patient to his/her account |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from press add analytics button |
| **Output** | Add analytics done successfully |

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| **Code** | F17 |
| **Name** | Check & Submit Result |
| **Role** | Lab – pharmacy |
| **Type** | Functional Requirement |
| **Description** | Check the data of the medicine and the analysis are correct and confirm it |
| **Pre-Condition** | Have an account and Patient data already entered |
| **Post-Condition** | Log in with the account |
| **Input** | Press confirm and submit button |
| **Output** | Accept/reject data entered |

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| **Code** | F18 |
| **Name** | Add Patient Data |
| **Role** | Doctor |
| **Type** | Functional Requirement |
| **Description** | This general function allows the doctor to add the patient history or medical data and upload it in the system |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from press add patient data button |
| **Output** | Add data done and uploaded successfully |

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| **Code** | F19 |
| **Name** | Show Doctor Ranks |
| **Role** | Functional Requirement |
| **Type** | Doctor |
| **Description** | This function allows the doctor to see his rank in our system |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from press show doctor rank button |
| **Output** | Ranking page will open |

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| **Code** | F20 |
| **Name** | Block Doctors |
| **Role** | HR |
| **Type** | Functional Requirement |
| **Description** | This function helps the hr to delete the doctor from the hr's hospital that mean the doctor leave it and didn't work their anymore |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Action from press block doctor button |
| **Output** | Notification with doctor removed successfully |

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| **Code** | F21 |
| **Name** | Search |
| **Role** | HR |
| **Type** | Functional Requirement |
| **Description** | This function helps the hr to find the doctor in our system by writing his name |
| **Pre-Condition** | Must has an account |
| **Post-Condition** | Log in with the account |
| **Input** | Doctor name |
| **Output** | Matching results to the doctor name |