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| --- | --- |
| Use Case ID |  |
| Use Case Name | Prediction of disease risk |
| Description | The system has at the beginning a set of data related to the disease and what are the dangers that may affect the patient in the future. When the doctor presents the diagnosis and the diagnosis is entered into the system, the system predicts the  problems that he may be exposed to and informs the specialist doctor |
| Participating Actors | The system |
| ­Preconditions | The system must be based on a recent and accurate set of data |
| Trigger |  |
| Flow Of Event | 1- The system is based on a recent and reliable data set  2- The doctor examines the patient and diagnoses the disease  3- Entering disease diagnosis information into the system  4- The system is based on the set of data in the system  5- He predicts the dangers that the patient may face in the future |
| Postcondition |

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| --- | --- |
| Use Case ID |  |
| Use Case Name | Follow up the patient's condition |
| Description | Follow up on the health status of patients by checking the dates of the review, according to the doctor’s decisions |
| Participating Actors | The specialist doctor |
| ­Preconditions | That the doctor has previously examined |
| Trigger |  |
| Flow Of Event | 1- Examination of the patient by the specialist doctor  2- Providing the appropriate diagnosis to the patient  3- Writing a report if the patient needs follow-up from home or needs a quarantine in the hospital  4- The doctor determines the date of the review and informs the system about it |
| Postcondition |  |

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| --- | --- |
| Use Case ID |  |
| Use Case Name | An alarm when there is danger |
| Description | The greatest benefit of the system is that when there is a danger to the patient, whether to himself or those around him, the system makes an alert to the medical staff |
| Participating Actors | The system |
| ­Preconditions | The patient's diagnosis must be entered and the system should also be informed of the existence of danger if it is aware of the data set. |
| Trigger |  |
| Flow Of Event | 1- Enter the system diagnostics  2 Comparing the patient's disease with a similar disease in the data set  3- If the disease is dangerous  4- The system warns the medical staff to take action |
| Postcondition |  |

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| --- | --- |
| Use Case ID |  |
| Use Case Name | Stone catwalks and walkways |
| Description | The greatest benefit of the system is that when there is a danger to the patient, whether to himself or those around him, the system makes an alert to the medical staff |
| Participating Actors | The system |
| ­Preconditions | The patient's diagnosis must be entered and the system should also be informed of the existence of danger if it is aware of the data set. |
| Trigger |  |
| Flow Of Event | 1- Enter the system diagnostics  2 Comparing the patient's disease with a similar disease in the data set  3- If the disease is dangerous  4- The system warns the medical staff to take action |
| Postcondition |