< Patient Guided Assessment System >

Use-Case Model

Version <1.0>

Revision History

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Table of Contents

1. Use-Cases Identification 4

2. UML Use-Case Diagrams 4

# Use-Cases Identification

***Use case: Select symptoms***

***Level: <one of: summary level, user-goal level, sub-function>sub-function***

***Primary actor: Patient***

***Main success scenario: The patient will think about the most important systems that he/she is experiencing , assisted by the doctor. The information provided has, of course, to be valid and true , because only in this way the output will be the one it has to be. The patient will be able to see some of the key symptoms( ankle pain , fever , coughing etc.) and select a list of at least 2 from there. A little search engine will also be available , in case the symptom does not apper at the top of the list . If the symptom entered really isn’t in the list , maybe the patient will have to reconsider it as not being so important (like mentioned above, the most proeminent are the ones that are the most useful).***

***Extensions: After selecting the symptoms , the success scenario would be getting the possibility to make an appointment for the (right) medical department right ahead. Also, there would be specified if the patient needs urgent treatment( only in this case he/she should wait in the emergency room to be seen by a doctor).***

***Use case: Make appointment to the given department***

***Level: user-goal level***

***Primary actor: Patient***

***Main success scenario: Once the list of symptoms has been entered accordingly , the patient should receive a suggestion for the department he/she should go to. The schedule of that specific department should appear on a new window , showing the list of doctors available and their next free spots for consultations .***

***Extensions: If the user wants to , he can enter his email address and receive a confirmation for his appointment (department, address, date, hour , doctor ). If the system could not provide an answer ( the output is not the one expected), he might be assisted by a physician or medical personnel to reconsider the information given.***

***Use case: Receive a file with the patient’s information***

***Level: summary level***

***Primary actor: Physician***

***Main success scenario: After the patient has entered all the required information and was suggested a department to go to , the physician receives in a printable format a ‘receipt’ of all the data inputted (age, condition , symptoms , department etc.) . In this way , the physician will be able to get a better idea about the person standing in front of him ( knowing a little bit about the background of the patient and the reason of being there is always a plus) and check for the correctness of the output.***

***Extensions: Ideally , after receiving the necessary information about the patient , the physician should be the one deciding whether the patient needs immediate assistance( going to the emergency room) or , if the system has given as output a department, check if the given one is also the right one. Maybe a passcode should make the transition between receiving a matching department and making an appointment .This passcode will be known by the medical staff only.***

# UML Use-Case Diagrams



