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| **FUNCTIONAL REQUIREMENTS** |
| **REQ-1:** System registers |
| **REQ-2:**System allows a log in |
| **REQ-3:** System removes |
| **REQ-4:** System assigns |
| **REQ-5:** Application can be used by doctor, director and patient. |
| **REQ-6:** Doctor should access to database information |
| **REQ-7:** Doctor should be able to see patient’s private information |
| **REQ-8:** Doctor should be able to see all his information |
| **REQ-9:** Patient should be able to see all his information |
| **REQ-10:** Patient is the one that controls the appointments |
| **REQ-11:** Patients should be able to modify his information |
| **REQ-12.** There should be one unique director |
| **REQ-13.** Each patinet should be assigned to one doctor |
| **REQ-15:** If a patient has a condition, he cannot put a specific vaccine |
| **REQ-16.** Each appointment should be at different dates. |

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| **NON FUNCTIONAL REQUIREMENTS** |
| **REQ-17:** System automatically adds an id to a patient when this one registers. |
| **REQ-18:** System automatically adds an id to a doctor when this one registers. |
| **REQ-19:** System automatically adds an id to a vaccine when this one is registered |
| **REQ-20.** System automatically adds an id to a condition when this one is registered. |
| **REQ-21:** System automatically adds an id to a disease when this one is registered. |
| **RE1-22:** System automatically assigns a doctor that is registered in the application to a patient when the patient registers. |
| **REQ-23:** The application automatically detects by the username and password if the user is a doctor, a patient or a director and it leads to one menu or another depending on that. |
| **REQ-24:** The system traduces the format that is typed by the patient when typing the date of the appointment, to a format  compatible with the database. |
| **REQ-25:** When a patient types the disease he want to put a vaccine of, the application automatically looks for a vaccine that is compatible with the disease and with the condition. |

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|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| UC-1: Register  patient | x |  |  |  |  |  |  |  |  |  |  |  | x |  |  | x |  |  |  |  | x |  |  |  | x |
| UC-2: Register doctor | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  | x |
| UC-3: Log in |  | x |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  | x |  |  |  |
| UC-4:  Add vaccine | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |  |
| UC-5: Add disease | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |
| UC-6: Add condition | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | x |  |  |  |  |  |  |
| UC-7:  Remove doctor |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-8: Remove patient |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-9: Remove vaccine |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-10: Assign condition to vaccine |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-11: Assign disease to vaccine |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-12: Check all vaccine supplies |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-13: Check vaccines of a patient |  |  |  |  | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-14: Select patients |  |  |  |  | x | x | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-15: Select appointments being a doctor |  |  |  |  | x | x |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-16: Select vaccines a patient has on |  |  |  |  | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-17: Check vaccines a patient has to put |  |  |  |  | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-18: Check my appointments |  |  |  |  | x |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-19: Schedule an appointment |  |  |  |  | x |  |  |  |  | x |  |  |  | x | x |  |  |  |  |  |  |  | x | x |  |
| UC-20: Cancel an appointment |  |  |  |  | x |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-21: Add new conditions |  |  |  |  | x |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UC-22: Delete conditions |  |  |  |  | x |  |  |  |  |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |