Visualizing and Predicting Heart Diseases with an Interactive Dash Board

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# Functional Requirements:

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form. Registration through Gmail.  Registration through Linked IN. |
| FR-2 | User Confirmation | Confirmation via Email.  Confirmation via OTP. |
| FR-3 | User verification | Verification through CAPTCHA Verification through I’m  not a robot. |
| FR-4 | User Authentication | Recognition of correct person Resending the code in  case of forgot password. |
| FR-5 | User validation | Reconfirming the new password Sending a two digit number in (Google account) your Old devices, so that  you can enter into a new device By entering the two digit number. |
| FR-6 | User Submission | Submission through Google form  Submission through Email. |

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The EHDPS predicts the likelihood of patients getting heart disease. It enables significant knowledge, eg, relationships between medical factors related to  heart disease and patterns, to be established. |
| NFR-2 | **Security** | When it deals with(comes to)health factors, we should provide more security services. There shouldn’t be no errors, lagging , base of data of a patient profile, while working on the software or  product. |
| NFR-3 | **Reliability** | Reliability is said to be the measure of stability or consistency of test scores shown in your product.  Therefore your product will normal as a good performance one in the field of accuracy. |
| NFR-4 | **Performance** | The performance should be fast relaying. This prediction system should be made available in cloud to ensure better accessibility and setting a milestone  in providing good quality affordable healthcare. |
| NFR-5 | **Availability** | The Availability of getting used to this software or |

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|  |  | product design is through by accessing IBM cognos  Analytics and IBM cloud. |
| NFR-6 | **Scalability** | It is based on the number of users who maintaining the software or a system according to its performance like workflow, increase or decrease in efficiency , response time etc. It scalability can be measured by maintenance, checking in for software updates, fixing errors if occurred in server. By this a  good quality of product is determined. |