### Functional Requirements:

**User / Patient :**

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| FR-1.1 | Patient shall be able to Sign Up. |
| FR-1.2 | Patient shall be able to login to their account. |
| FR-1.3: | The patient shall be able to recover their password using a “Forgot Password” feature. |
| FR-1.4 | The patient shall be able to create a profile that includes their personal details, medical history. |
| FR-1.5 | Patient shall be able to edit their profile |
| FR-1.6 | The patient shall be able to view diagnostic results and analysis reports. |
| FR-1.7 | The patient shall be able to schedule appointments with eye specialists/doctors. |
| FR-1.8 | The patient shall be able to search for doctors based on availability (day/time) and specialization. |
| FR-1.9 | The patient shall be able to view a list of doctors with and availability. |
| FR-1.10 | The patient shall be able to view, manage, and track their appointment history. |
| FR-1.11 | The patient shall be able to download a receipt or report for each booked appointment. |
| FR-1.12 | The patient shall be able to communicate with doctors for follow-up or clarification. |
| FR-1.13 | The patient shall be able to read blogs created by the admin related to fundus diseases and eye health. |
| FR-1.14 | The patient shall be able to comment on admin blogs to engage in discussions or ask questions. |

**Doctor:**

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| FR-2.1 | Doctor shall be able to Sign Up. |
| FR-2.2 | Doctor shall be able to login to their account. |
| FR-2.3 | The doctor shall be able to recover their password using a “Forgot Password” feature. |
| FR-2.4 | The doctor shall be able to view and complete appointments with patients. |
| FR-2.5 | The doctor shall be able to create and edit their profile, including personal details, qualifications, specialization, and clinic address. |
| FR-2.7 | The doctor shall be able to accept, reject, and mark appointments as completed. |
| FR-2.8 | The doctor shall be able to view detailed patient profiles, including uploaded eye images, medical history, and diagnostic results if available. |
| FR-2.9 | The doctor shall be able to access and use the AI-powered fundus image analysis tool for diagnosis support. |

**Admin:**

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| FR-3.1 | The admin shall be able log in to their account using secure credentials. |
| FR-3.2 | The admin shall be able to view all patient and doctor accounts. |
| FR-3.3 | The admin shall be able to activate and deactivate both patient and doctor accounts. |
| FR-3.4 | The admin shall be able to create, edit, and delete blogs related to fundus diseases and eye health. |
| FR-3.5 | The admin shall be able to add and manage blog categories. |
| FR-3.6 | The admin shall be able to monitor and moderate blog comments for appropriate content. |
| FR-3.7 | The admin shall be able to view and edit their own profile. |
| FR-3.8 | The admin shall be able to view and manage messages received through the "Contact Us" page. |

### 3.1.2 Non-Functional Requirements:

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| FR-1.1 | User-Friendly Interface: The User-Interface of the system is very simple and userfriendly, allowing users to navigate easily and access the desired features without any confusion. |
| FR-1.2 | Scalability: The system should be expandable in terms of the ability to accommodate increased numbers of users and pictures as the use of this application rises. |
| FR-1.3 | Security: Use high levels of encryption and protect data to ensure that patient’s information is hidden from anyone else as required by healthcare data laws. |