**BloodLink**

**Project Specifications**

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| Template Name | Blood Donation Management System |
| Goals & Objective | Provide a secure and efficient platform for blood donation: |

* efficient and fast supply of emergency blood
* reduce blood wastage.
* Save more lives -efficient donation system | | Client Information | | | Product Type | Web Application | | Domain | Web2 | | Access Layers | Donor, Hospital staff, Blood Bank staff, Campaign Organizer, Delivery Personnel, Admin | | Design Required | Yes |

**Feature: 1 Auth Feature**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 1 | 1 | Create Donor Profile [Donor] | As a Blood Donor, I want to create a donor profile so that I can enroll myself in the system. | create\_donor\_profile |
| phase 1 | 2 | Donor Login [Donor] | As a Blood Donor, I want to log in so that I can securely access my account. | donor\_login |
| phase 1 | 3 | Forgot Password [Donor] | As a Blood Donor, I want to reset my password so that I can regain account access if I forget it. | forgot\_ password |

**Feature: 2 Donor Profile**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 1 | 4 | View Donor Profile [Donor] | As a Blood Donor, I want to view my profile so that I can see my donation history and eligibility. | view\_donor\_profile |
| phase 1 | 5 | Update Donor Info [Donor] | As a Blood Donor, I want to update my information so that I can correct outdated details. | update\_donor\_info |
| phase 1 | 6 | Change Profile Photo [Donor] | As a Blood Donor, I want to update my profile photo so that my account is personalized. | change\_profile\_photo |
| phase 1 | 7 | Change Password [Donor] | As a Blood Donor, I want to change my password so that I can keep my account secure. | change\_password |

**Feature: 3 Appointment Management**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 1 | 8 | Book Donation Appointment [Donor] | As a Blood Donor, I want to book a donation appointment so that I can schedule my next donation. | book\_donation\_appointment |
| phase 1 | 9 | Cancel Donation Appointment [Donor] | As a Blood Donor, I want to cancel my appointment so that I can reschedule if needed. | cancel\_donation\_appointment |

**Feature: 4 Eligibility & Impact**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 1 | 10 | View Eligibility Info [Donor] | As a Blood Donor, I want to see when I can donate next so that I know my eligibility. | view\_eligibility\_info |
| phase 1 | 11 | View Donation Impact [Donor] | As a Blood Donor, I want to view my impact so that I can see how my donations helped. | view\_donation\_impact |

**Feature: 5 Notifications**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 1 | 12 | Receive Urgent Notifications [Donor] | As a Blood Donor, I want to receive urgent notifications so that I can respond to emergencies. | receive\_urgent\_notifications |

**Feature: 6 Blood-Bank Staff Portal**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 2 | 13 | Staff Dashboard [Blood Bank Staff] | As Blood Bank Staff, I want to view an overview so that I can monitor operations. | staff\_dashboard |
| phase 2 | 14 | Create Donor Profile [Blood Bank Staff] | As Blood Bank Staff, I want to create donor profiles so that I can register new donors during camps. | staff\_create\_donor\_profile |
| phase 2 | 15 | Manage Appointments [Blood Bank Staff] | As Blood Bank Staff, I want to manage appointments so that I can organize donation schedules. | manage\_appointments |
| phase 2 | 16 | Update Blood Inventory [Blood Bank Staff] | As Blood Bank Staff, I want to update blood inventory so that the system shows correct stock. | update\_blood\_inventory |
| phase 2 | 17 | View Donor Records [Blood Bank Staff] | As Blood Bank Staff, I want to view donor records so that I can track donor eligibility. | view\_donor\_records |
| phase 2 | 18 | Generate Inventory Reports [Blood Bank Staff] | As Blood Bank Staff, I want to generate inventory reports so that I can analyze blood stock levels. | generate\_inventory\_reports |

**Feature: 7 Hospital Staff Portal**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 2 | 19 | View Blood Availability [Hospital Staff] | As Hospital Staff, I want to view real-time blood availability so that I can quickly check required blood units. | view\_blood\_availability |
| phase 2 | 20 | Place Urgent Requests [Hospital Staff] | As Hospital Staff, I want to place urgent blood requests so that I can request blood for patients. | place\_urgent\_requests |
| phase 2 | 21 | Track Delivery Status [Hospital Staff] | As Hospital Staff, I want to track delivery status so that I know when the blood will arrive. | track\_delivery\_status |
| phase 2 | 22 | View Past Requests [Hospital Staff] | As Hospital Staff, I want to view past requests so that I can track request history. | view\_past\_requests |

**Feature: 8 Delivery Personnel Portal**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 3 | 23 | View Assigned Deliveries [Delivery Personnel] | As Delivery Personnel, I want to view assigned deliveries so that I can see my tasks. | view\_assigned\_deliveries |
| phase 3 | 24 | Update Delivery Status [Delivery Personnel] | As Delivery Personnel, I want to update delivery status so that everyone knows the status. | update\_delivery\_status |
| phase 3 | 25 | Confirm Delivery with OTP [Delivery Personnel] | As Delivery Personnel, I want to confirm delivery with OTP so that I can verify completion. | confirm\_delivery\_with\_otp |
| phase 3 | 26 | View Delivery History [Delivery Personnel] | As Delivery Personnel, I want to view my past deliveries so that I can track my work. | view\_delivery\_history |

**Feature: 9 Organizer Portal**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 3 | 27 | Plan Blood Drives [Organizer] | As an Organizer, I want to plan blood drives so that I can schedule and promote events. | plan\_blood\_drives |
| phase 3 | 28 | Manage Volunteers [Organizer] | As an Organizer, I want to manage volunteers so that I can assign roles for events. | manage\_volunteers |
| phase 3 | 29 | Assign Volunteer Roles [Organizer] | As an Organizer, I want to assign volunteer roles so that I can ensure smooth event management. | assign\_volunteer\_roles |
| phase 3 | 30 | Track Event Performance [Organizer] | As an Organizer, I want to track event performance so that I can analyze the success of campaigns. | track\_event\_performance |

**Feature: 10 Admin Portal**

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| **Phase** | **Item No** | **Specification [Role]** | **User Story** | **Tags** |
| phase 4 | 31 | Manage Users [Admin] | As an Admin, I want to manage users so that I can control platform access. | manage\_users |
| phase 4 | 32 | Manage Roles & Permissions [Admin] | As an Admin, I want to manage roles so that I can define feature access for each role. | manage\_roles\_permissions |
| phase 4 | 33 | Monitor Analytics [Admin] | As an Admin, I want to monitor analytics so that I can optimize operations. | monitor\_analytics |
| phase 4 | 34 | View System Logs [Admin] | As an Admin, I want to view system logs so that I can track platform activities. | view\_system\_logs |
| phase 4 | 35 | Approve Campaign Requests [Admin] | As an Admin, I want to approve or reject campaign requests so that I can control platform events. | approve\_campaign\_requests |
| phase 4 | 36 | Generate Platform Reports [Admin] | As an Admin, I want to generate reports so that I can track usage and performance across the platform. | generate\_ platform\_ reports |