Red Drop: A Centralized System for Blood Donation

<u>Activity 03 – Planning Project Scope and Schedule</u>

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Questions 1,2,3,4,6

Donor Management System- IT23221482

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
DM-1	As a **donor**, I want to sign in with my credentials so that I can securely access the system.	High	5	**Sprint 1** Basic User Authentication & Profile Management
DM-2	As a **system manager**, after a user signs in, I want to redirect them to the login page so that they can authenticate.	High	3	
DM-3	As a **donor**, I want to log in using my email and password so that I can access my profile.	High	5	
DM-4	As a **donor**, I want to edit my profile so that I can update my information.	Medium	3	
DM-5	As a **donor**, I want to delete my profile so that I can remove my account from the system.	Medium	5	**Sprint 2** Health Report Management & Appointment Scheduling
DM-6	As a **donor**, I want to upload my body evaluation report through the edit profile section so that I can submit my health details.	High	8	
DM-7	As a **donor**, I want to view my health evaluation reports so that I can check my eligibility status.	High	5	
DM-8	As a **donor**, I want to schedule a blood donation appointment so that I can book a suitable time.	High	8	
DM-9	As a **system manager**, if a donor misses an appointment more than twice, I want to send an alert message so that they are aware of their missed appointments.	High	5	**Sprint 3** Missed Appointments Handling & Suspension System
DM-10	As a **system manager**, I want to suspend a donor's account for two months if they miss more than two appointments so that donation schedules remain organized.	High	8	

Hospital Management System- IT23221482

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
HM-01	As a **system manager**, I want to register a hospital account so that the hospital can be added to the system.	High	8	**Sprint 1** Hospital Registration & Login
HM-02	As a **system manager**, I want to send login credentials (email and password) to the hospital so that they can access the system.	High	5	
HM-03	As a **hospital administrator**, I want to log in using the credentials provided by the system administrator so that I can access the system.	High	5	
HM-04	As a **hospital administrator**, I want to edit my profile so that I can update my information in the system.	Medium	3	**Sprint 2** Profile Management
HM-05	As a **hospital administrator**, I want to delete my profile so that I can remove my account from the system.	Medium	5	

Blood Donation Appointment System- IT23330214

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
BDA-01	As a **donor**, I want to schedule a blood donation appointment by selecting the hospital, date, and time slot so that I can donate blood at a convenient time.	High	8	**Sprint 1** Appointment Scheduling & Eligibility
BDA-02	As a **system manager**, I want to validate donor eligibility before allowing appointment booking so that only eligible donors can schedule appointments.	High	8	
BDA-03	As a **system manager**, I want to display available appointment slots based on hospital	High	5	

ID	User Story / Feature	Priority	Story Points	Sprint
	capacity to ensure donors can only book when slots are available.			
BDA-04	As a **hospital administrator**, I want to review and approve/reject appointment requests so that we can manage the appointment slots effectively.	High	5	**Sprint 2** Appointment Approval & Notifications
BDA-05	As a **system manager**, I want to monitor appointment slots to prevent overbooking and bottlenecks to ensure smooth operation.	Medium	5	
BDA-06	As a **system manager**, I want to notify donors of appointment confirmation or proposed alternative slots to keep them informed.	High	5	
BDA-07	As a **donor**, I want to be able to reschedule or cancel appointments within the permitted timeframe to accommodate my availability.	Medium	3	**Sprint 3** Rescheduling & Cancellations
BDA-08	As a **system manager**, I want to prevent last-minute cancellations and ensure proper rescheduling options to maintain an effective donation process.	Medium	5	

Blood Inventory Management System- IT23330214

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
BIM-01	As a **hospital administrator**, I want to track and update blood stock levels in real time to ensure accurate inventory management.	High	8	**Sprint 1** Real-Time Tracking & Inventory Updates
BIM-02	As a **system manager**, I want to differentiate inventory based on blood type and Rh factor to help maintain proper categorization.	High	5	
BIM-03	As a **hospital administrator**, I want to input stock updates for blood inventory to keep the records accurate and up to date.	High	5	
BIM-04	As a **system manager**, I want to monitor and track blood expiration dates to prevent wastage and ensure the quality of donations.	Medium	5	

| BIM-05 | As a **hospital administrator**, I want to generate reports on blood availability and usage trends for efficient resource planning. | Medium | 5 | **Sprint 2** Reports and Analysis |
| BIM-06 | As a **system manager**, I want to send alerts when blood stock reaches a critical level to ensure timely action for replenishment. | High | 8 | |

Health Evaluation Management System- IT23432598

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
HEM-01	As a **donor**, I want to schedule a health evaluation so that I can get evaluated for eligibility.	High	8	**Sprint 1** Appointment Scheduling and Rescheduling
HEM-02	As a **donor**, I want to reschedule my evaluation if the current time is unavailable to ensure flexibility.	High	5	
HEM-03	As a **donor**, I want to cancel my appointment if the rescheduled time is unavailable to manage my schedule.	Medium	3	
HEM-04	As a **system manager**, I want to record selected hospital ID and donor IDs to track appointments accurately.	High	5	
HEM-05	As a **system manager**, I want to update the receipt number and progress status when a donor arrives for evaluation.	High	5	**Sprint 2** Progress Status Updates and Evaluation Report
HEM-06	As a **system manager**, I want to update the progress status, pass status, and upload the file to the system after evaluation.	High	8	
HEM-07	As a **donor**, I want to view my health evaluation report easily to track my evaluation history.	Medium	5	
HEM-08	As a **system manager**, I want to limit appointment scheduling based on pass status to ensure eligibility criteria are met.	High	8	**Sprint 3** Limitations and Restrictions on Evaluation Scheduling
HEM-09	As a **system manager**, I want to limit the ability to schedule health evaluations to 56 days after the last session to manage donor frequency.	Medium	5	

Hospital Admin Management- IT23432598

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
HAM-01	As a **hospital administrator**, if no admin is registered, I want to see a registration form to create an admin account.	High	8	**Sprint 1** Admin Registration and Profile Management
HAM-02	As a **hospital administrator**, if an admin is already registered, I want to see a login form to access the admin account.	High	5	
HAM-03	As a **hospital administrator**, I want to edit my profile to update my personal details.	High	5	
HAM-04	As **system manager**, I want some details to be restricted from editing (e.g., unique fields like admin ID).	Medium	3	
HAM-05	As a **system manager**, I want to have the ability to add, delete, or deactivate o hospital administrator.	High	8	**Sprint 2** Admin Permissions and Restrictions
HAM-06	As a **hospital administrator**, I want to have the ability to delete my own account from the system.	Medium	3	

Feedback Management System- IT23294752

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
FMS-01	As a **system manager**, I want to gather feedback from users to understand their experience.	High	5	**Sprint 1** Feedback Collection and Initial Analysis
FMS-02	As a **hospital administrator**, I want to analyze and categorize feedback to identify areas of improvement.	High	8	
FMS-03	As a **system manager**, I want to review and incorporate feedback to enhance the experience.	Medium	5	**Sprint 2**

FMS-04	As a **system manager**, I want to test changes based on feedback to ensure quality and effectiveness.	High	8	Impact Assessment and Testing Changes
FMS-05	As a **system manager**, I want to finalize the feedback report for stakeholders to summarize findings.	Medium	3	
FMS-06	As a **system manager**, I want to conduct a survey to gather more detailed feedback from users.	Medium	5	**Sprint 3** Finalizing Feedback Report, Improvements, and Communication
FMS-07	As a **hospital administrator**, I want to identify necessary improvements based on feedback.	High	8	
FMS-08	As a **system manager**, I want to communicate feedback results for further action.	Medium	3	

Inquiry Management System- IT23294752

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
IMS-01	As a **system manager**, I want to collect inquiry responses from users.	High	5	
IMS-02	As a **system manager**, I want to analyze inquiry data and categorize it for better understanding.	High	8	**Sprint 1** Inquiry Collection and Initial Analysis
IMS-03	As a **system manager**, I want to address inquiries in product planning to improve.	High	8	
IMS-04	As a **system manager**, I want to review inquiries to ensure all are addressed.	Medium	5	
IMS-05	As a **system manager**, I want to clarify any open inquiries from users for better resolution.	Medium	5	**Sprint 2** Follow-up and Resolution
IMS-06	As a **system manager**, I want to collect follow-up inquiries from key users to refine responses.	Medium	5	
IMS-07	As a **system manager**, I want to provide responses to all unresolved inquiries for better user satisfaction.	High	8	

| IMS-08 | As a **system manager**, I want to respond to customer inquiries regarding product features. | Medium | 5 | |
| IMS-09 | As a **system manager**, I want to ensure all inquiries are resolved before the final sprint is completed. | High | 8 | |

System Manager - IT22902320

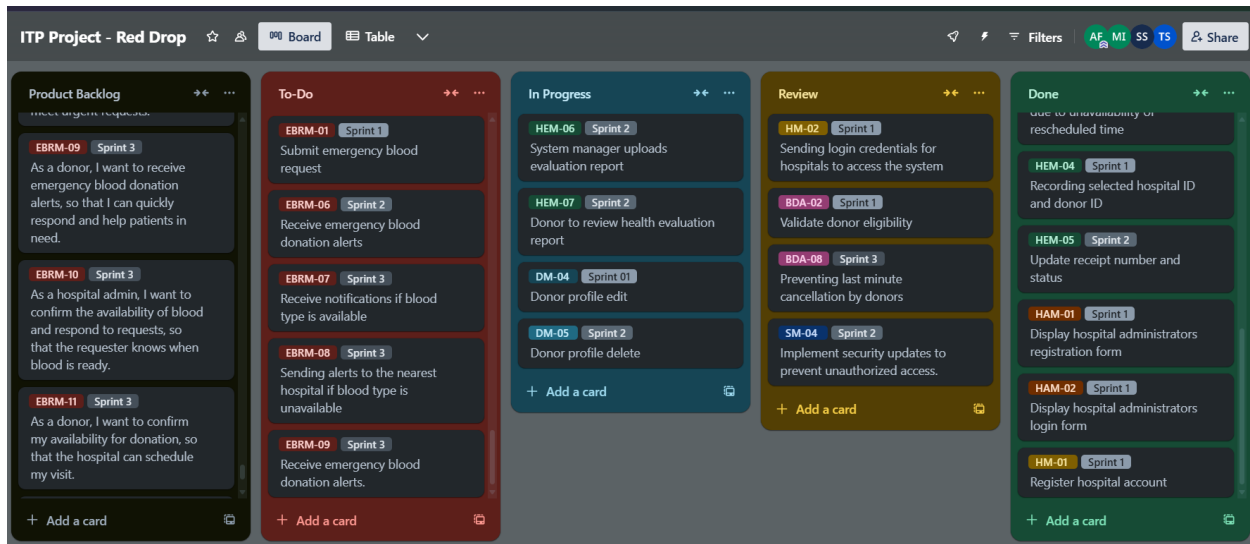| ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
SM-01	As a **system manager**, I want to verify and approve hospital registrations, so that only authorized hospitals can access the system securely.	High	5	**Sprint 1** System Setup & User Management
SM-02	As a **system manager**, I want to manage donor and hospital accounts, so that I can ensure proper user access and prevent unauthorized usage.	High	5	
SM-03	As a **system manager**, I want to monitor system performance and address technical issues, so that the system remains reliable and available at all times.	High	8	
SM-04	As a **system manager**, I want to implement security updates, so that I can prevent unauthorized access and protect sensitive data.	High	8	**Sprint 2** Security & Monitoring Enhancements
SM-05	As a **system manager**, I want to ensure hospitals update blood inventory reports regularly, so that blood stock levels remain accurate and up to date.	Medium	5	
SM-06	As a **system manager**, I want to track donation schedules and hospital capacity, so that donations align with hospital needs and efficiency is maximized.	Medium	5	

SM-07	As a **system manager**, I want to monitor emergency blood requests and adjust hospital preparation plans, so that hospitals are better prepared for sudden surges in demand.	Medium	8	**Sprint 3** Emergency Response
SM-08	As a **system manager**, I want to ensure hospitals maintain surplus blood inventory, so that emergency cases can be handled without delays.	Low	5	

Emergency Blood Request- IT22902320

ID	User Story / Feature	Priority	Story Points (Fibonacci)	Sprint
EBRM-01	As an **emergency requester**, I want to fill out and submit an emergency blood request form, so that hospitals and donors are notified.	High	8	**Sprint 1** Basic Request Handling & Notifications
EBRM-02	As an **emergency requester**, I want to upload a supporting file (optional) with my request, so that hospitals and donors get additional information.	Medium	5	
EBRM-03	As an **emergency requester**, I want to select the critical level and expiration date for the blood request, so that the urgency of the request is clearly defined.	High	8	
EBRM-04	As a **system manager**, I want to check hospital inventory for the requested blood type, so that I can notify the nearest hospital with availability.	Critical	13	
EBRM-05	As a **system manager**, I want to check the donor database if no hospital has the required blood type, so that I can notify eligible donors for emergency donation.	Critical	13	**Sprint 2**

EBRM-06	As a **donor**, I want to receive emergency blood donation alerts, so that I can quickly respond and help patients in need.	High	8	Blood Stock Checking & Donor Alerts
EBRM-07	As a **hospital admin**, I want to receive notifications if the requested blood type is available in my hospital, so that I can confirm and supply the required blood.	High	8	
EBRM-08	As a system manager, I want to send alerts to the nearest hospitals if the requested blood type is unavailable, so that hospitals can collaborate to meet urgent requests.	High	8	**Sprint 3** Confirmations, Tracking & Reporting
EBRM-09	As a **donor**, I want to receive emergency blood donation alerts, so that I can quickly respond and help patients in need.	High	8	
EBRM-10	As a **hospital admin**, I want to confirm the availability of blood and respond to requests, so that the requester knows when blood is ready.	High	8	
EBRM-11	As a **donor**, I want to confirm my availability for donation, so that the hospital can schedule my visit.	Medium	5	
EBRM-12	As a **system manager**, I want to track and store data on emergency blood requests, so that hospitals can analyze trends and improve preparation.	Medium	5	

Question 05

https://trello.com/invite/b/67c95086faeee421f1e4d2a6/ATTI2eb7e29
9f15cddc05087862cf7e97b6eE7FB2C28/itp-project-red-drop