MedPlus Mart
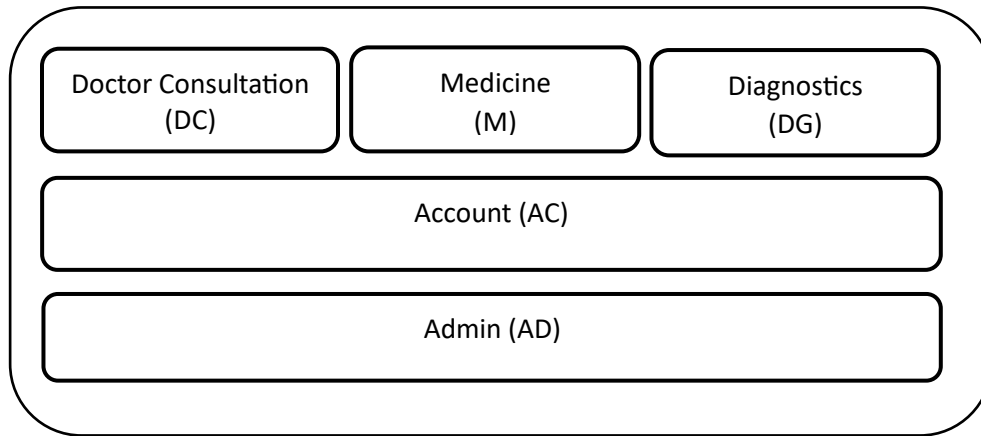
Baseline Framework: Baseline Framework provides a structure for use case and the requirements. It defines the scope of the project**.**
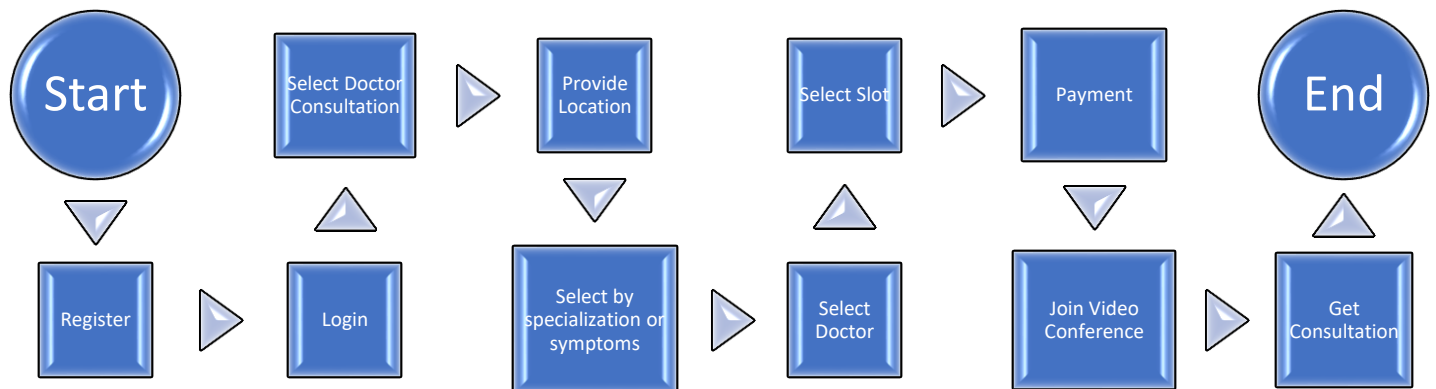

Level 0	Level 1	Level 2	Level 3
M - Medicine	M.1 Order the medicine	M.1.1 Selling the medicine	M.1.1.1 Enter the medicine
			M.1.1.2 Enter the Quantity
			M.1.1.3 Check the availability of medicine
		M.1.2 Order the medicine	M.1.2.1 Add to cart
			M.1.2.2 Payment Gateway
DC – Doctor Consultation	DC. 1 Book Appointment for online consultation	DC. 1.1 User Management	DC. 1.1.1 User Registration
			DC. 1.1.2 Maintain User Profiles and location
			DC. 1.1.3 Medical History and Symptoms
		DC. 1.2 Appointment Management	DC. 1.2.1 Doctor Availability
			DC. 1.2.2 Appointment Scheduling

			DC. 1.3.1 Real time video conference
		DC. 1.3 Doctor Consultation	DC. 1.3.2 Doctor Specialization
			DC. 1.3.3 Doctor Prescription and Notes
		DC. 1.4 Payment Processing	DC. 1.4.1 Fee Payment
			DC. 1.4.2 Integration with Payment Gateways

Story Board:

Story board helps visualize the process flow and describes the user interaction with the system. The storyboard for online doctor consultation is given below.

Use Cases:

A use case depicts the interaction of the actor with the system. It includes the following elements, name, description, precondition, postcondition, trigger, main success scenario and the extensions.

Name	Book Appointment
Description	Patient selects the doctor and books an appointment for consultation.
Precondition	The Patient is registered and logged in the application. Doctors are available for the desired slots. Payment Process is completed.
Post-Condition	Success: Appointment is booked. Failure: Doctors are unavailable.
Trigger	The user selects the online consultation option.
Main Success Scenario	1. The user is logged in and lands on the search page. 2. The user location is enabled for the application. 3. The user customizes by sorting and filtering the doctors. 4. The user selects a doctor. 5. The application displays the doctor's details. 6. The user selects date and slot. 7. The user is directed to payment.
Extensions	2 a. User entered location not found. 1. The application displays a message that no locality found. 2. Go to 1. 2 b. User has turned off the GPS or not enabled it for the application. 1. The application redirects the user to the search area. 2. Go to 1 3a. User required specialization not available. 1. The application displays the message that no doctors are available. 2. Go to 3 6a. Doctor slot not available 1. The application displays a message that doctor is booked for the slot. 2. Go to 6 6b. Users select the wrong date and slot. 1. Go to 6 7a. Payment Failure 1. The application displays the payment details. 2. Go to 7

Name	Online Consultation
Description	The patient consults with the selected doctor in the booked slot.
Precondition	The Patient has created a profile in the application. Doctor and patient join the video call. The Video conference platform is available and running.
Post-Condition	Success: Doctor Consultation is completed. Failure: User fails to consult with the doctor.
Trigger	The user books an appointment with the doctor.
Main Success Scenario	1. The doctor initiates the video conference. 2. The user joins the queue. 3. The user consults with the doctor. 4. The doctor suggests a line of treatment and gives advice. 5. The user ends the call.

Extensions	1 a. Doctor is unable to initiate video due to technical glitch.
	    1. The doctor registers a complaint with the application and waits.
	    2. Go to 1.
	1 b. Doctor does not initiate video conference.
	    1. The user issues a complaint with the application.
	    2. The user is allotted to a new doctor.
	    3. Go to 1
	2 a. User does not join the queue at the allotted slot.
	    1. User joins at the end of the queue.
	    2. Go to 3
	3 a. User does not provide the medical conditions and symptoms.
	    1. The doctor asks for the patient's health status verbally.
	    2. Go to 4.
	4 a. User is not satisfied with the consultation.
	    1. User provides feedback and ratings.
	    2. Go to home page

User Stories:

1. As a busy professional, I want to be able to consult any doctor online at my convenience so that I do not have to waste time traveling and disrupt my work.

2. As an immigrant with language barrier, I want to be able to consult with a doctor from my city so that I can communicate my issues comfortably.

3. As a person living in a remote area, I want the ability to consult doctors online without having to travel long distances.

4. As someone with health issues, I want to be able to consult doctors online without the strain of traveling to the clinic.

5. As a new parent, I want the ability to interact with pediatric online so that I can address concerns about my baby's health.

6. As a person taking medication, I want the ability to consult a doctor online to clarify my doubts about the dosages and side effects.